

14PV111/01/07/58 14PV112/07/39 14PV415/01/07/39/58 14PV203/01/07/39/58 14PV460/01/07/39/58

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Deck Exploded Views

For technical data reference is made to the Service Manual of 14PV360/01/07/39 & 14PV365/01/07/39/58 3103 785 22040. The present Manual states only the differences.

Survey of versions:

/01 PAL-BG, EURO

/07 PAL I, Ireland

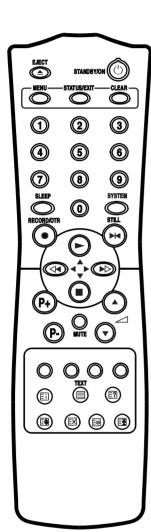
PAL/SECAM-BG+PAL/SECAM-L/L',FRANCE PAL-BG/DK+SECAM-BG/DK,EAST-EURO /39 /58

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.



[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58), 14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

The remote control



EJECT ▲ To eject the cassette.

CLEAR To delete last entry/Clear programmed recording (TIMER).

RECORD/OTR ● To record the TV channel selected at this moment or press repeatedly to start a One-Touch Recording.

STILL To stop the tape and show a still picture.

P+ P- To select the programme number. During normal or slow motion playback, press to adjust the tracking or vertical jitter.

MUTE To eliminate the sound. Press again to restore the volume.

SYSTEM Doesn't work in these models.

SLEEP To select the switch-off time in 30 minutes intervals.

STANDBY/ON O To switch TVCR On or Off or to interrupt menu function.

MENU To call up main menu of TVCR.

STATUS/EXIT To access or remove the TVCR's on-screen status display. To exit on-screen menus.

0..9 Press to select channels.

▶▶ When tape playback is stopped, press to fast forward the tape at hight speed. During playback, press to fast forward the tape while the picture stay on the screen. To store or confirm entry in the menu. Press to adjust the controls of TVCR menu.

When tape playback is stopped, press to rewind the tape at high speed. During playback, press to rewind the tape while the picture stay on the screen. To return the cursor in the menu. Press to adjust the controls of TVCR menu.

■ To play a tape, select an item in the menu of TVCR.

▼ ■ To stop the tape, select an item in the menu of TVCR.

<14PV203, 14PV460>

TEXT To switch TELETEXT on or off,or transparent mode.

: enlarge font

Doesn't work in these models.

: recall hidden information

: stop page changes

igo back to start page.

Yellow button/ Select TELETEXT function when you are in TELETEXT mode.

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[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58), 14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

General Note:

"CBA" is abbreviation for "Circuit Board Assembly."

NOTE:

Electrical adjustments are required after replacing circuit components and certain mechanical parts. It is important to perform these adjustments only after all repairs and replacements have been completed.

Also, do not attempt these adjustments unless the proper equipment is available.

Test Equipment Required

- PAL Pattern Generator (Color Bar W/White Window, Red Color, Dot Pattern, Gray Scale, Monoscope, Multi-Burst)
- 2. AC Milli Voltmeter (RMS)
- 3. Alignment Tape (FL6A), Blank Tape
- 4. DC Voltmeter
- 5. Oscilloscope: Dual-trace with 10:1 probe,

V-Range: 0.001~50V/Div, F-Range: DC~AC-60MHz

- 6. Frequency Counter
- 7. Plastic Tip Driver

How to Set up the Service mode:

NOTE:

After replacing the IC202 (Memory) or Main CBA, the set value in IC202 (Memory) will be lost. So it is necessary to set up or adjust in the Service mode after its replacement.

Service Mode:

- 1. Turn the power on. (Use main power on the TV unit.)
- 2. Press [STANDBY/ON], [2], [7], [1], and [MUTE] buttons on the remote control unit in that order within 5 seconds.
- To cancel the service mode, press [STANDBY/ON] button on the remote control.

How to set up the option code

- 1. Enter the Service mode.
- Press the [STATUS/EXIT] button on the remote control unit. The option code appears on the display.
- 3. If needed, input the option code as shown below using number buttons on the remote control unit.

| Model | Option Code |
|----------------------|-------------|
| 14PV111(112)(415)/07 | 000128 |
| 14PV112(415)/39 | 000129 |
| 14PV111(415)/01 | 000130 |
| 14PV111(415)/58 | 000131 |
| 14PV203(460)(465)/01 | 000158 |
| 14PV203(460)(465)/07 | 000156 |
| 14PV203(460)(465)/39 | 000157 |
| 14PV203(460)(465)/58 | 000159 |

To reset the software, press [PAUSE] and [5] buttons on the remote control unit.
 The option code is changed.

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1. DC 105V (+B) Adjustment

Purpose: To obtain correct operation.

Symptom of Misadjustment: The picture is dark and unit does not operate correctly.

| Test point | Adj. Point | Mode | Input |
|---------------------------------|------------------------------------|--------------|--------------|
| TP503 (+B) TP504 (GND) | VR601 | | Color Bar |
| Tape | M. EQ. | Spec. | |
| | DC Voltmeter Plastic Tip Driver | +105±0.5V DC | |

Note: TP503(+B), TP504(GND), VR601 --- H.V./ Power Supply CBA

- 1. Connect the unit to AC Power Outlet.
- Input a color bar signal from RF input and leave it for at least 20 minutes. Enter the Service mode. (See page 1-6-9.)
- 3. Connect DC Volt Meter to TP503(+B) and TP504(GND).
- 4. Adjust VR601 so that the voltage of TP503(+B) becomes +105±0.5V DC.

2. H Adjustment

Purpose: To get correct horizontal position and size of screen image.

Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

| Test point | Adj. Point | Mode | Input |
|------------|-------------------|---------|----------|
| R583 | P+/P- buttons | Video | |
| Таре | M. EQ. | Spec. | |
| | Frequency Counter | 15.625k | Hz±300Hz |

Note: R583 --- H.V./Power Supply CBA

- 1. Connect Frequency Counter to R583.
- Set the unit to the VIDEO mode and no input is necessary. Enter the Service mode. (See page 1-6-9.)
- 3. Operate the unit for at least 20 minutes.
- 4. Press [2] button on the remote control unit and select H-Adj Mode.
- Press [P+/P-] buttons on the remote control unit so that the display will change [0] to [7.] At this moment, choose display [0] to [7] when the Frequency counter display is closest to 15.625kHz±300Hz.
- 6. Turn the power off and on again.

1-6-10 T6310EA

3. C-Trap Adjustment

Purpose: To get minimum leakage of the color signal carrier.

Symptom of Misadjustment: If C-Trap Adjustment is incorrect, stripes will appear on the screen.

| Test point | Adj. Point | Mode | Input |
|--|-----------------------------------|---------------|-----------|
| J219 (B-OUT) | P+/P- buttons | | Color Bar |
| Таре | M. EQ. | S | pec. |
| | Oscilloscope Pattern Generator | 200mVp-p Max. | |
| Figure | | | |
| minimum — The state of the stat | | | |
| | | | Fig. 1 |

Note: J219 (B-Out)--- Main CBA

- 1. Connect Oscilloscope to J219.
- 2. Input a color bar signal from RF input. Enter the Service mode. (See page 1-6-9.)
- 3. Press [0] button on the remote control unit and select C-TRAP Mode.
- 4. Press [P+/P-] buttons on the remote control unit so that the carrier leakage B-Out (4.43MHz) value becomes minimum on the oscilloscope.
- 5. Turn the power off and on again.

4. How to measure the standard V-ENV value of Digital Studio Picture Control

Purpose: To set the recording condition appropriate for the recording tape.

Symptom of Misadjustment: Recording or playing back picture quality may fall. The picture will be tinted.

- Insert a new tape (type: TDK 180) for the DSPC alignment into the TV/VCR.
- 2. Input the black raster signal from the video input jack (VIDEO-IN).
- 3. Enter the Service Mode. (See page 1-6-9.)
- 4. To enter the DSPC mode, press [1] button on the remote control unit. Recording starts automatically and "DSPC" appears on the display.

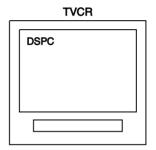
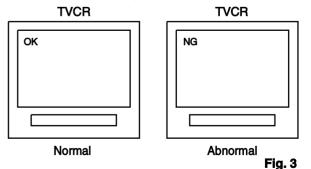


Fig. 2

- Recording continues for 10 seconds in SP mode. After that, recording starts for 10 seconds in LP mode.
- 6. The tape is rewinded to the recording start point.
- 7. The unit enters the play mode automatically and the V-ENV levels of each SP and LP modes are memorized into the EEPROM.
- 8. "OK" appears on the screen with blueback for 5 seconds, the unit enters the stop mode, and is gone out from the factory mode.
- 9. If SYNC. and CTL are none, "NG" appears on the screen with blueback for 5 seconds, the unit ejects the cassette and is gone out from the factory mode. Or, also when the V-ENV level in either of the SP and LP mode is written, "NG" appears on the screen with blueback for 5 seconds, the unit ejects the cassette and is gone out from the factory model



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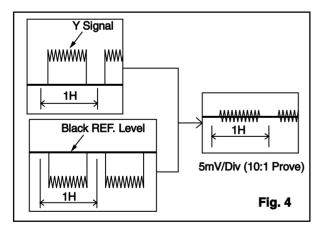
5. SECAM Black Level Adjustment

Purpose: To set Black Level of the SECAM signal R-Y/B-Y to Ref. level.

Symptom of Misadjustment: If Black Level of the SECAM signal R-Y/B-Y is incorrect, the picture is bluish or reddish in grayscale compared with PAL signal.

| Test point | Adj. Point | Mode | Input |
|-------------------|-------------------|-------|---------------------|
| Pin 1 of CN303 | P+/P- buttons | | SECAM Gray Scale |
| Tape | M. EQ. | Spec. | |
| | Pattern Generator | | |

- 1. Degauss the CRT and allow CRT to operate for 20 minutes before starting the alignment.
- 2. Input the SECAM Gray Scale signal from video input.
- 3. Enter the Service Mode. (See page 1-6-9.)
- 4. To enter the C/D/S mode, press [∠ ▼] on the remote control unit.
- To select SBR (SECAM Black Level R-Y), press [6] button on the remote control unit.
- Press [P+/P-] buttons to adjust Y signal to the black ref. level.
- 7. To select SBB (SECAM Black Level B-Y), press [7] button on the remote control unit.
- Press [P+/P-] buttons to adjust Y signal to the black ref. level.



6. V. Size Adjustment

Purpose: To obtain correct vertical height of screen image.

Symptom of Misadjustment: If V. Size is incorrect, vertical height of image on the screen may not be properly displayed.

| Test point | Adj. Point | Mode | Input |
|------------|-------------------|-------|-----------|
| Screen | P+/P- buttons | | Monoscope |
| Tape | M. EQ. | Spec. | |
| | Pattern Generator | 90±5% | |

- Enter the Service mode. (See page 1-6-9.)
 Press [9] button on the remote control unit and select V-S Mode. (Press [9] button then display will change to V-P and V-S).
- 2. Input monoscope pattern.
- Press [P+/P-] buttons on the remote control unit so that the monoscope pattern is 90±5% of display size and the circle is round.

7. V. Shift Adjustment

Purpose: To obtain correct vertical position of screen image.

Symptom of Misadjustment: If V. position is incorrect, vertical position of image on the screen may not be properly displayed.

| Test point | Adj. Point | Mode | Input |
|------------|-------------------|-------|-----------|
| Screen | P+/P- buttons | | Monoscope |
| Tape | M. EQ. | Spec. | |
| | Pattern Generator | 90±5% | |

- Enter the Service mode. (See page 1-6-9.)
 Press [9] button on the remote control unit and select V-P Mode. (Press [9] button then display will change to V-P and V-S).
- 2. Input monoscope pattern.
- 3. Press [P+/P-] buttons on the remote control unit so that the top and bottom of the monoscope pattern are equal to each other.

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8. H. Shift Adjustment

Purpose: To obtain correct horizontal position and size of screen image.

Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

| Test point | Adj. Point | Mode | Input |
|------------|-------------------|-------|-----------|
| Screen | P+/P- buttons | | Monoscope |
| Таре | M. EQ. | Spec. | |
| | Pattern Generator | 90±5% | |

- Enter the Service mode. (See page 1-6-9.)
 Press [8] button on the remote control unit and select H-P Mode.
- 2. Input monoscope pattern.
- 3. Press [P+/P-] buttons on the remote control unit so that the left and right side of the monoscope pattern are equal to each other.
- 4. Turn the power off and on again.

9. Cut-off Adjustment

Purpose: To adjust the beam current of R, G, B, and screen voltage.

Symptom of Misadjustment: White color may be reddish, greenish or bluish.

Notes:

Screen Control (FBT) --- H.V./Power Supply CBA FBT= Fly Back Transformer Use the Remote Control Unit

- 1. Degauss the CRT and allow CRT to operate for 20 minutes before starting the alignment.
- Set the screen control to minimum position. Input the Black raster signal from RF input.
- 3. Enter the Service Mode. (See page 1-6-9.)
 Dimmed horizontal line appears on the CRT.
- 4. To enter the C/D/S mode, press the [∠] button on the remote control unit.
- 5. To enter the CUT OFF (R) mode, press [1] button on the remote control unit.
- 6. Turn the screen control up until dimmed horizontal line appears.
- Press the [P+/P-] buttons until the horizontal line becomes white.
- 8. To enter the C/D/S mode, press the [∠] button on the remote control unit.
- 9. To enter the CUT OFF (G) mode, press [2] button on the remote control unit.
- 10.Press the [P+/P-] buttons until the horizontal line becomes white.
- 11.To enter the C/D/S mode, press the [∠ ▼] button on the remote control unit.
- 12.To enter the CUT OFF (B) mode, press [3] button on the remote control unit.
- 13.Press the [P+/P-] buttons until the horizontal line becomes white.
- 14. Turn the screen control so that the horizontal line adjusted white looks lightly.
- 15. Turn the power off and on again.

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10. White Balance Adjustment

Purpose: To mix red, green and blue beams correctly for pure white.

Symptom of Misadjustment: White becomes bluish or reddish.

| Test point | Adj. Point | Mode Input | |
|-----------------------|-------------------------------------|----------------------------------|-------|
| Screen | Screen-Control P+/P-buttons | RF White Ra ter (APL 100%) | |
| Tape | M. EQ. | | Spec. |
| | Pattern Generator Color analyzer | See below | |
| Figure | | | |
| Color Ajalyzer Fig. 6 | | | |

Note: Use remote control unit

- 1. Operate the unit more than 20 minutes.
- Face the unit to east. Degauss the CRT using Degaussing Coil.
- 3. Input the White Raster (APL 100%).
- 4. Set the color analyzer to the CHROMA mode and after zero point calibration, bring the optical receptor to the center on the tube surface (CRT).
- Enter the Service mode. Press [∠ ▼] button on the remote control.
- Press [4] button on the remote control unit for Red adjustment. Press [5] button on the remote control unit for Blue adjustment.
- 7. In each color mode, Press [P+/P-] buttons to adjust the values of color.
- 8. Adjusting Red and Blue color so that the temperature becomes 8500K (x: 290 / y: 300) ±3%.
- At this time, Re-check that Horizontal line is white. If not, Re-adjust Cut-off Adjustment until the Horizontal Line becomes pure white.
- 10. Turn off and on again to return to normal mode. Receive APL 100% white signal and Check Chroma temperatures become 8500K (x: 290 / y: 300) ±3%.

Note: Confirm that Cut Off Adj. is correct after this adjustment, and attempt Cut Off Adj. if needed.

11. Sub-Brightness Adjustment

Purpose: To get proper brightness.

Symptom of Misadjustment: If Sub-Brightness is incorrect, proper brightness cannot be obtained by adjusting the Brightness Control.

| Test point | Adj. Point | Mode | Input | |
|------------|----------------------|-----------|----------------------------------|--|
| Screen | P+/P- buttons | | SYMPTE | |
| Tape | M. EQ. | S | pec. | |
| | Pattern Generator | See below | | |
| | Figure | | | |
| White | | ABC | This bar (A) just visible Fig. 7 | |

Note: Bar (A) in Fig. 7 --- 0 IRE

- 1. Enter the Service Mode. (See page 1-6-9.) Then input SYMPTE signal from RF input.
- Press MENU button. (Each time MENU button is pressed, display will change BRT, CNT, COL, TNT, and SHP in that order.) Select BRT and press [P+/ P-] buttons so that the bar (A) in Fig. 7 is just visible
- 3. Turn the power off and on again.

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12. Setting for CONTRAST, COLOR, TINT and SHARP Data Values

General

- 1. Enter the Service mode. (See page 1-6-9)
- Press MENU button. (Each time MENU button is pressed, display will change BRT, CNT, COL, TNT, and SHP in that order.)

CONTRAST (CNT)

- Press "MENU" button on the remote control unit. Then select CNT display.
- Press [P+/P-] buttons on the remote control unit so that the value of "CONTRAST" (CNT) becomes 85.

COLOR (COL)

- 1. Press "MENU" button on the remote control unit. Then select "COLOR" (CLR) display.
- 2. Press [P+/P-] buttons on the remote control unit so that the value of "COLOR" (COL) becomes 55.

TINT (TNT)

- Press "MENU" button on the remote control unit. Then select "TINT" (TNT) display.
- 2. Press [P+/P-] buttons on the remote control unit so that the value of "TINT" (TNT) becomes 57.

SHARP (SHP)

- Press "MENU" button on the remote control unit. Then select "SHARP" (SHP) display.
- 2. Press [P+/P-] buttons on the remote control unit and select "1."

13. Focus Adjustment

Purpose: Set the optimum Focus.

Symptom of Misadjustment: If Focus Adjustment is incorrect, blurred images are shown on the display.

| Test point | Adj. Point | Mode | Input |
|------------|-------------------|------------|-----------|
| Screen | Focus Control | | Monoscope |
| Таре | M. EQ. | Spec. | |
| | Pattern Generator | See below. | |

Note: Focus VR (FBT) --- H.V./Power Supply CBA FBT= Fly Back Transformer

- 1. Operate the unit more than 30 minutes.
- 2. Face the unit to the East and degauss the CRT using a Degaussing Coil.
- 3. Input the monoscope pattern.
- 4. Adjust the Focus Control on the FBT to obtain clear picture.

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14. Head Switching Position Adjustment

Purpose: Determine the Head Switching Point during Playback.

Symptom of Misadjustment: May cause Head Switching Noise or Vertical Jitter in the picture.

Note: Unit reads Head Switching Position automatically and displays it on the screen (Upper Left Corner).

- Enter the Service Mode. (See page 1-6-9.)
 Then press the number [5] button on the remote control unit.
- 2. Playback the test tape (FL6A).
- The Head Switching position will display on the screen; if adjustment is necessary follow step 4. 6.5H(412.7μs) is preferable.
- 4. Press [P+/P-] buttons on the remote control unit if necessary. The value will be changed in 0.5H steps up or down. Adjustable range is up to 9.5H. If the value is beyond adjustable range, the display will change as:

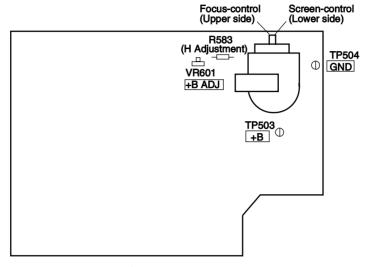
Lower out of range: 0.0H Upper out of range: -.-H

5. Turn the power off and on again.

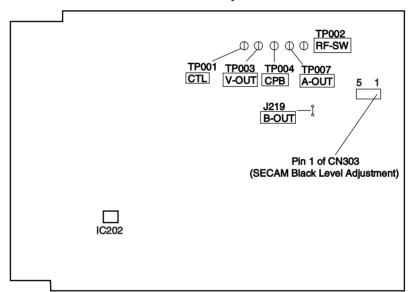
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Adjustment Points and Test Points

H.V./Power Supply CBA Top View



Main CBA Top View



TEST POINT INFORMATION

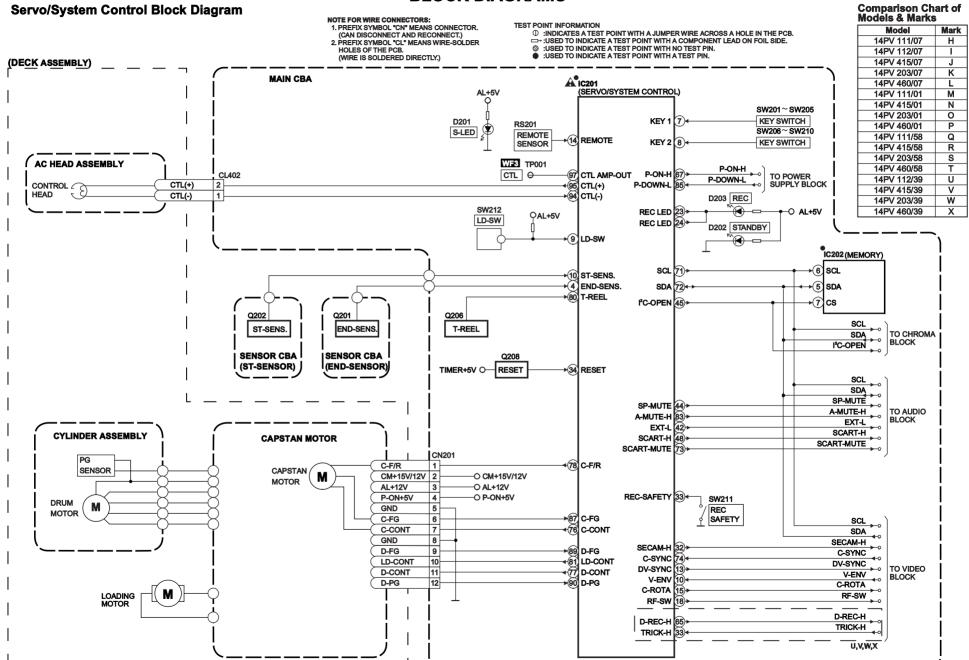
 \bigcirc : Indicates a test point with a jumper wire across a hole in the PCB.

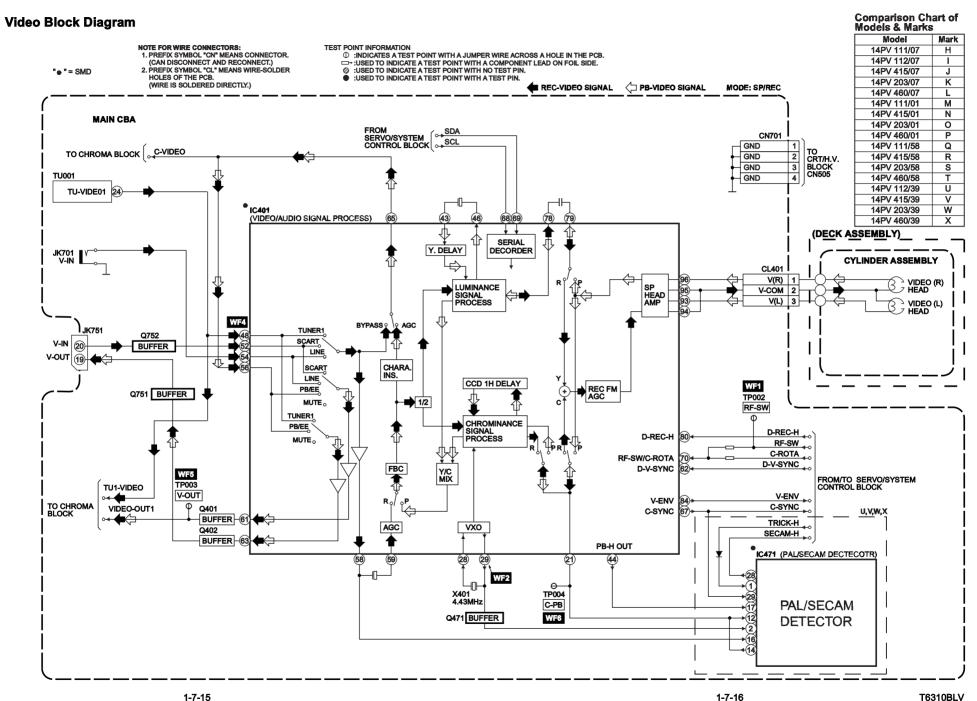
TEST POINTS NOT USED IN ELECTRICAL ADJUSTMENTS

| Test Point | Used in: | Page No. |
|------------|------------------------------------|--------------|
| TP001 | Mechanical Alignment Procedures | 2-3-3 |
| TP002 | Mechanical Alignment Procedures | 2-3-3, 2-3-4 |
| TP004 | Mechanical Alignment Procedures | 2-3-3, 2-3-4 |
| TP503 | Electrical Adjustment Instructions | 1-6-1 |
| TP504 | Electrical Adjustment Instructions | 1-6-1 |

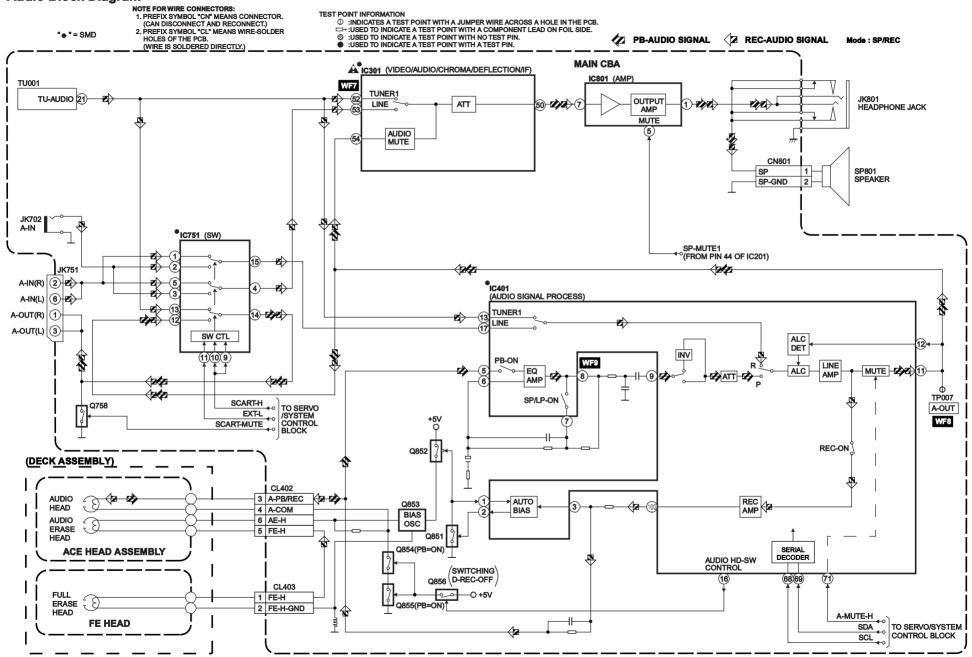
1-6-17 T6310EA

BLOCK DIAGRAMS

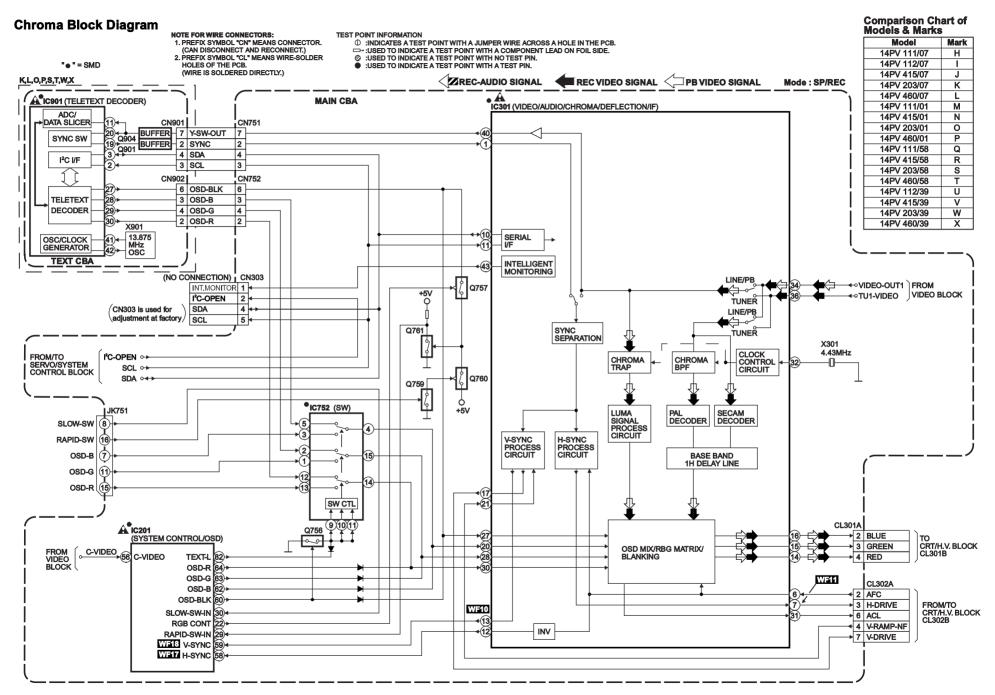




Audio Block Diagram

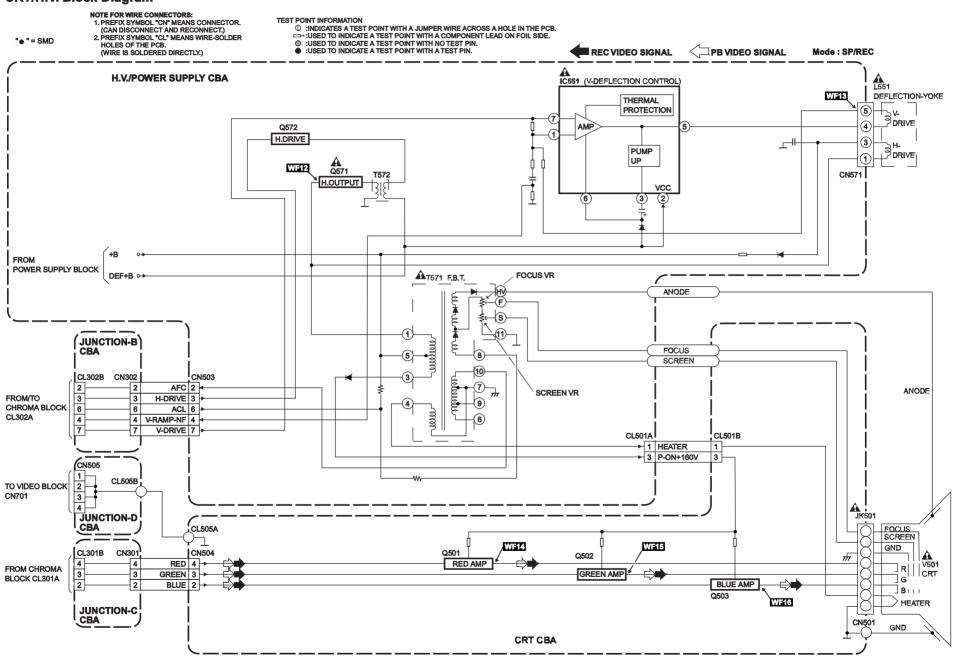


1-7-17 1-7-18 T6310BLA



CRT/H.V. Block Diagram

1-7-21



1-7-22 T6310BLCRT

Power Supply Block Diagram

CAUTION!Fixed voltage power supply circuit is used in this unit.

If Main Fuse (F601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.



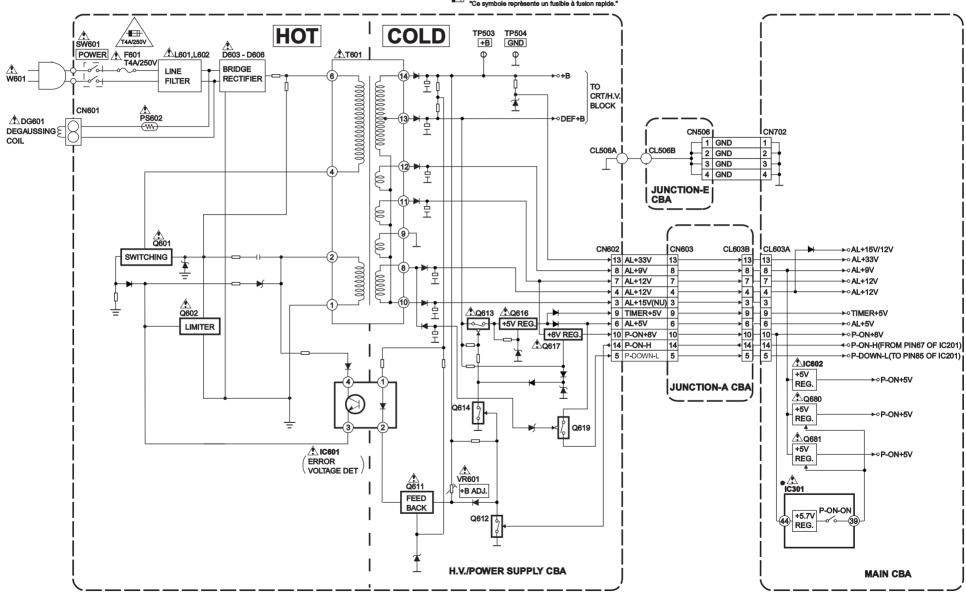
CAUTION

FOR CONTINUED PROTECTION AGAINST FIRE HAZARD. REPLACE ONLY WITH THE SAME TYPE FUSE. ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQES D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE. RISK OF FIRE-REPLACE FUSE AS MARKED.

"This symbol means fast operating fuse."
"Ce symbole reprèsente un fusible à fusion rapide."

NOTE:

The voltage for parts in hot circuit is measured using hot GND as a common terminal.



[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58), 14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

Main 1/4 Schematic Diagram Parts Location Guide

| Ref No. | Position | Ref No. | Position |
|---------|----------|---------|----------|---------|----------|---------|----------|-----------|----------|
| CAPA | CITORS | CAPAC | CITORS | DIO | DES | RESIS | STORS | RESIS | STORS |
| C201 | C-4 | C249 | E-5 | D682 | B-2 | R219 | A-4 | R273 | B-3 |
| C202 | C-4 | C250 | A-3 | D683 | C-1 | R220 | A-4 | R274 | F-2 |
| C203 | C-4 | C251 | A-3 | D684 | C-1 | R221 | C-3 | R275 | A-2 |
| C204 | B-3 | C252 | A-3 | D685 | B-2 | R222 | C-3 | R276 | F-2 |
| C205 | B-3 | C253 | A-2 | IC | S | R223 | C-3 | R277 | F-5 |
| C206 | C-3 | C255 | E-2 | IC101 | C-5 | R224 | C-4 | R283 | C-4 |
| C207 | C-1 | C256 | F-2 | IC201 | D-3 | R225 | C-2 | R284 | E-4 |
| C208 | C-3 | C257 | A-3 | IC202 | E-5 | R226 | C-3 | R285 | F-4 |
| C210 | D-1 | C259 | D-5 | IC602 | B-2 | R227 | C-1 | R680 | B-2 |
| C211 | D-1 | C260 | D-5 | CC | DILS | R228 | C-2 | R681 | B-2 |
| C212 | D-1 | C261 | A-2 | L201 | A-2 | R229 | D-4 | R682 | B-1 |
| C213 | D-1 | C262 | C-4 | L202 | F-2 | R231 | C-1 | R683 | B-1 |
| C214 | D-1 | C681 | B-2 | L203 | A-2 | R232 | D-1 | R684 | B-1 |
| C215 | D-1 | C682 | B-1 | TRANS | ISTORS | R233 | C-1 | R685 | B-1 |
| C216 | D-1 | C683 | B-1 | Q201 | A-4 | R234 | D-1 | R686 | B-1 |
| C217 | D-1 | C684 | B-1 | Q202 | A-5 | R236 | D-1 | R687 | B-1 |
| C218 | D-1 | C685 | B-1 | Q206 | E-4 | R238 | D-1 | R688 | B-2 |
| C219 | D-1 | C687 | B-1 | Q208 | D-1 | R239 | D-1 | SWI | TCHES |
| C220 | E-2 | CONNE | CTORS | Q680 | B-1 | R240 | D-1 | SW201 | B-4 |
| C221 | E-1 | CN201 | A-3 | Q681 | B-1 | R241 | D-2 | SW202 | A-4 |
| C222 | E-2 | CL603A | A-1 | Q682 | B-2 | R242 | E-1 | SW203 | A-4 |
| C223 | F-2 | DIO | DES | RESIS | STORS | R245 | E-1 | SW204 | A-4 |
| C224 | F-2 | D201 | C-3 | R201 | C-4 | R246 | F-2 | SW205 | A-4 |
| C225 | F-2 | D202 | C-2 | R202 | C-4 | R247 | E-2 | SW206 | B-3 |
| C232 | F-4 | D203 | C-2 | R203 | C-4 | R248 | E-2 | SW207 | A-3 |
| C233 | F-4 | D206 | E-5 | R204 | C-4 | R249 | E-2 | SW208 | A-3 |
| C234 | E-4 | D207 | E-5 | R205 | B-4 | R250 | E-2 | SW209 | A-3 |
| C235 | E-5 | D208 | A-2 | R206 | B-4 | R257 | E-3 | SW210 | A-3 |
| C236 | E-4 | D210 | A-3 | R207 | A-4 | R258 | E-3 | SW211 | C-2 |
| C237 | D-5 | D211 | B-3 | R208 | A-4 | R259 | F-5 | SW212 | A-4 |
| C238 | D-5 | D212 | E-4 | R209 | A-4 | R260 | F-5 | TEST | POINTS |
| C239 | D-4 | D213 | D-5 | R210 | B-3 | R261 | F-5 | TP001 | D-5 |
| C240 | D-5 | D214 | C-4 | R211 | B-3 | R262 | F-5 | TP002 | C-3 |
| C241 | D-4 | D215 | C-4 | R212 | A-3 | R263 | E-4 | CRYSTAL C | SCILATOR |
| C242 | D-5 | D216 | E-1 | R213 | A-3 | R264 | F-4 | X201 | D-1 |
| C243 | D-4 | D217 | E-1 | R214 | A-3 | R265 | E-4 | X202 | D-1 |
| C245 | D-5 | D218 | C-4 | R215 | B-4 | R268 | E-5 | | LANEOUS |
| C246 | E-5 | D219 | E-3 | R216 | B-4 | R269 | E-5 | RS201 | C-2 |
| C247 | E-5 | D680 | C-2 | R217 | A-4 | R270 | D-4 | | |
| C248 | F-5 | D681 | C-1 | R218 | A-4 | R271 | D-5 | 1 | |

VOLTAGE CHART (Power off mode)

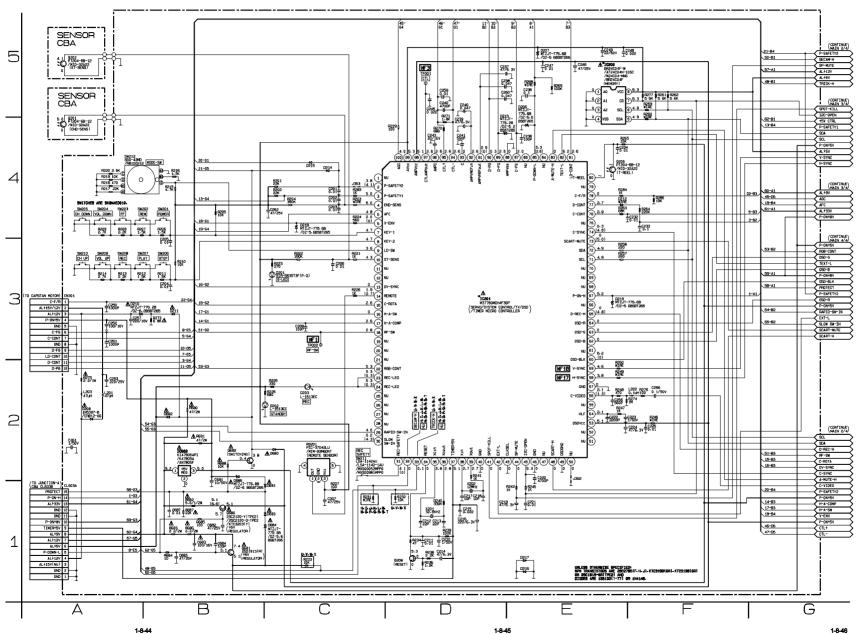
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|----------|-----|-----|-----|
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| Ref. No. | Е | С | В |
| Q680 | 1.6 | 3.2 | 2.1 |
| Q681 | 2.1 | 3.1 | 1.5 |
| Q682 | 0 | 1.0 | 0 |

e= SMC



Comparison Chart of Models and Marks

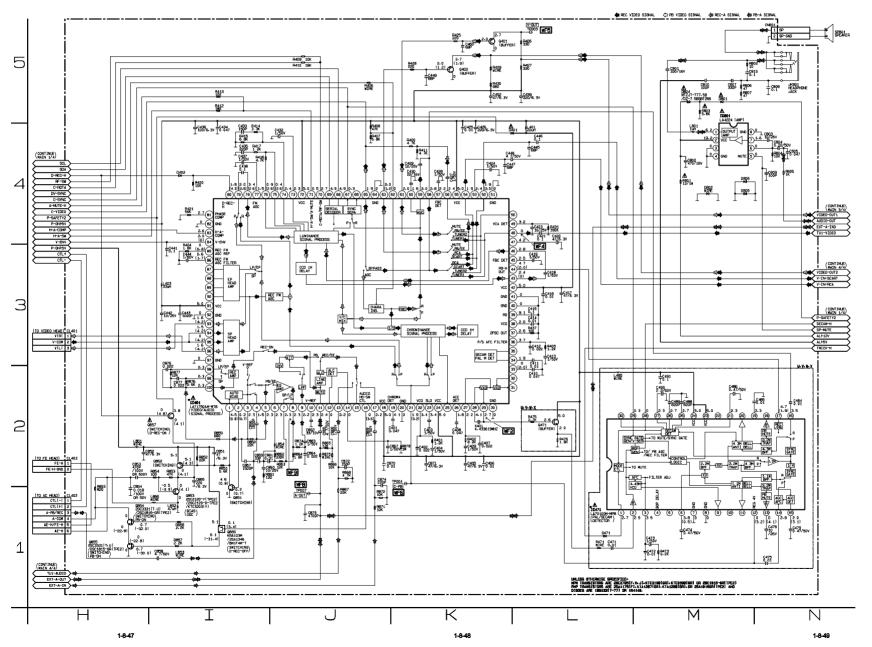
| MOUSIS AIR MAI | R.S |
|----------------|------|
| MODEL | MARK |
| 14PV 111/07 | Н |
| 14PV 112/07 | _ |
| 14PV 415/07 | 7 |
| 14PV 203/07 | K |
| 14PV 460/07 | ٦ |
| 14PV 111/01 | м |
| 14PV 415/01 | N |
| 14PV 203/01 | 0 |
| 14PV 460/01 | P |
| 14PV 111/58 | ď |
| 14PV 415/58 | R |
| 14PV 203/58 | s |
| 14PV 460/58 | Т |
| 14PV 112/39 | U |
| 14PV 415/39 | ٧ |
| 14PV 203/39 | W |
| 14PV 460/39 | Х |



MODE: SPIREC 10 2 3 FLAY MG 50 7 FLAY MG 50 FLA

Comparison Chart of Models and Marks

| Models and Mai | KS . |
|----------------|------|
| MODEL. | MARK |
| 14PV 111/07 | Н |
| 14PV 112/07 | _ |
| 14PV 415/07 | 7 |
| 14PV 203/07 | K |
| 14PV 460/07 | L |
| 14PV 111/01 | М |
| 14PV 415/01 | z |
| 14PV 203/01 | 0 |
| 14PV 460/01 | P |
| 14PV 111/58 | ď |
| 14PV 415/58 | R |
| 14PV 203/58 | ø |
| 14PV 460/58 | т |
| 14PV 112/39 | ٥ |
| 14PV 415/39 | > |
| 14PV 203/39 | > |
| 14PV 460/39 | Х |



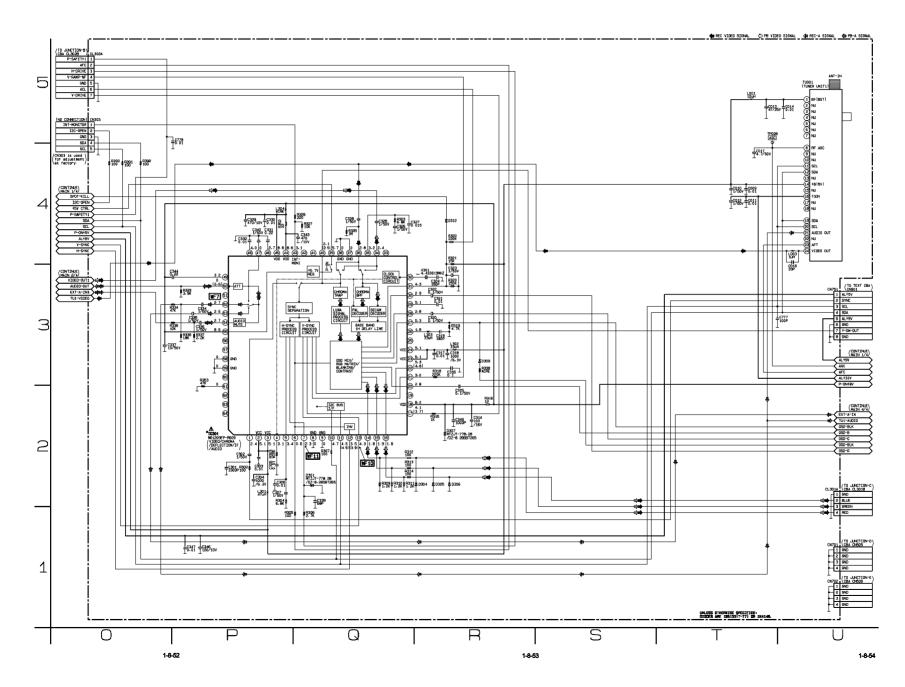
Main 2/4 Schematic Diagram Parts Location Guide

| Ref No. | Position | Ref No. | Position | Ref No. | Position | Ref No. | Position | Ref No. | Position |
|---------|-------------|---------|----------|---------|------------|---------|----------|---------|-----------|
| | CITORS | | CITORS | | CITORS | | TORS | | TORS |
| C401 | J-2 | C452 | K-5 | C875 | J-1 | R406 | J-5 | R865 | J-2 |
| C402 | K-2 | C471 | L-1 | C876 | I-3 | R407 | J-4 | R866 | J-2 |
| C403 | K-2 | C472 | M-1 | C877 | I-2 | R408 | J-4 | R867 | J-1 |
| C404 | K-2 | C473 | M-1 | CONNE | CTORS | R409 | J-5 | R868 | J-2 |
| C405 | K-2 | C474 | M-1 | CN801 | N-5 | R410 | J-5 | R871 | J-1 |
| C406 | K-2 | C475 | N-1 | CL401 | H-3 | R411 | K-4 | R872 | J-1 |
| C407 | K-2 | C478 | N-1 | CL402 | H-1 | R412 | I-5 | R874 | J-2 |
| C408 | K-2 | C479 | N-1 | CL403 | H-2 | R413 | I-5 | R875 | J-2 |
| C409 | K-2 | C484 | N-2 | DIO | DES | R414 | 14 | R876 | I-2 |
| C410 | L-2 | C485 | N-2 | D401 | K-4 | R415 | I-4 | R877 | I-2 |
| C411 | L-3 | C486 | M-2 | D402 | I-4 | R416 | 14 | R878 | K-2 |
| C412 | L-3 | C488 | M-2 | D471 | L-1 | R417 | 14 | CRYSTAL | OSCILATOR |
| C413 | L-3 | C489 | M-2 | D801 | M-5 | R420 | 14 | X401 | K-2 |
| C414 | L-3 | C491 | M-2 | D802 | M-4 | R421 | 14 | TEST | POINTS |
| C415 | L-3 | C493 | M-2 | D804 | M-5 | R424 | I-3 | TP003 | L-5 |
| C416 | L-3 | C801 | M-5 | D805 | M-4 | R425 | K-5 | TP004 | K-2 |
| C417 | L-3 | C802 | M-4 | D806 | M-4 | R426 | L-5 | TP007 | J-1 |
| C418 | L-3 | C803 | N-4 | IC | XS . | R427 | L-5 | MISCEL | LANEOUS |
| C419 | L-3 | C804 | N-4 | IC401 | I-2 | R428 | K-5 | JK801 | N-5 |
| C420 | L-4 | C805 | N-4 | IC471 | L-1 | R429 | K-5 | | |
| C421 | 14 | C806 | N-5 | IC801 | M-5 | R430 | K-5 | | |
| C423 | 14 | C807 | M-5 | 8 | DILS | R431 | L4 | | |
| C424 | K-4 | C809 | N-4 | L401 | L-4 | R437 | L-3 | | |
| C425 | K-4 | C810 | M-5 | L403 | 1-3 | R471 | L-1 | | |
| C426 | K-4 | C813 | M-5 | L485 | L-2 | R473 | M-1 | | |
| C427 | K-4 | C851 | I-2 | L801 | M-4 | R475 | L-2 | | |
| C428 | K-4 | C852 | H-2 | L851 | H-2 | R476 | L-2 | | |
| C429 | K-4 | C853 | H-2 | L852 | I-1 | R801 | M-5 | | |
| C430 | K-4 | C854 | H-1 | L853 | I-1 | R802 | M-5 | | |
| C432 | J-4 | C855 | I-2 | L854 | J-2 | R803 | M-5 | | |
| C433 | I-4 | C856 | J-2 | L856 | I-1 | R804 | N-4 | | |
| C434 | 14 | C857 | I-2 | TRANS | ISTORS | R805 | N-4 | | |
| C435 | 14 | C858 | I-1 | Q401 | K-5 | R806 | M-5 | | |
| C436 | 14 | C859 | I-2 | Q402 | K-5 | R807 | M-5 | | |
| C437 | 14 | C860 | I-2 | Q471 | L-2 | R851 | I-2 | | |
| C438 | 14 | C861 | I-2 | Q851 | I-1 | R852 | I-2 | | |
| C439 | I- 5 | C862 | J-2 | Q852 | I-2 | R853 | I-2 | | |
| C441 | I-3 | C863 | J-2 | Q853 | I-1 | R854 | I-2 | | |
| C442 | I-3 | C864 | J-2 | Q854 | H-1 | R855 | H-2 | | |
| C443 | I-3 | C865 | J-2 | Q855 | H-1 | R856 | I-1 | | |
| C444 | I-3 | C866 | J-2 | Q856 | l-1 | R857 | I-1 | | |
| C445 | L-4 | C867 | J-2 | Q857 | I-2 | R859 | I-2 | | |
| C446 | L-4 | C869 | J-1 | | STORS | R860 | I-2 | | |
| C447 | K-4 | C870 | J-2 | R400 | K-4 | R861 | I-2 | | |
| C448 | K-4 | C871 | K-2 | R401 | K-2 | R862 | J-2 | | |
| C449 | K-5 | C872 | J-2 | R402 | K-2 | R863 | J-2 | | |
| C450 | K-5 | C874 | J-2 | R405 | L-3 | R864 | J-2 | j | |

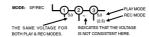
Main 3/4 Schematic Diagram Parts Location Guide

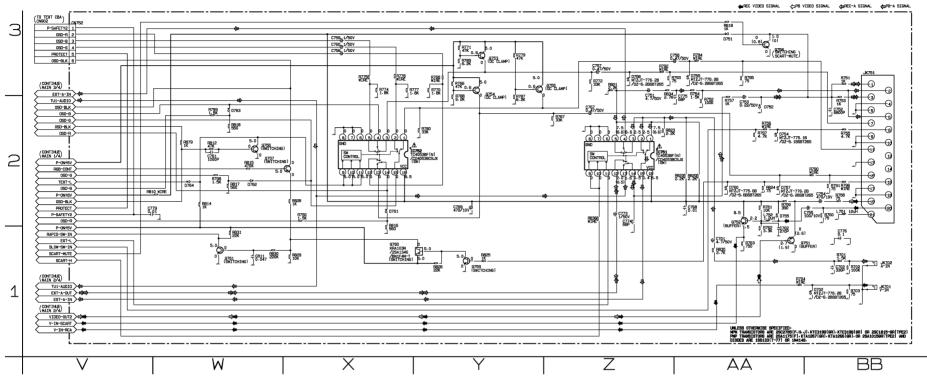
| Ref No. | Position | Ref No. | Position | Ref No. | Position | Ref No. | Position | |
|---------|----------|---------|----------|---------|----------|-----------|-----------|--|
| CAPAC | CITORS | CAPAC | CITORS | DIO | DES | RESISTORS | | |
| C009 | T-4 | C327 | Q-4 | D304 | R-2 | R315 | R-2 | |
| C010 | T-4 | C328 | Q-4 | D305 | R-2 | R316 | R-3 | |
| C011 | T-4 | C329 | P-4 | D306 | R-2 | R318 | R-3 | |
| C012 | T-4 | C330 | P-4 | D307 | R-2 | R319 | R-3 | |
| C013 | T-5 | C331 | P-4 | D309 | R-3 | R320 | R-3 | |
| C014 | U-5 | C332 | P-4 | D312 | R-4 | R321 | R-4 | |
| C016 | U-3 | C334 | P-3 | | С | R322 | R-4 | |
| C017 | T-4 | C335 | P-3 | IC301 | P-2 | R323 | Q-4 | |
| C301 | P-2 | C336 | P-3 | οc | DILS | R325 | Q-4 | |
| C302 | P-2 | C337 | 0-3 | L001 | T-5 | R327 | Q-4 | |
| C303 | P-2 | C339 | Q-2 | L003 | U-4 | R328 | Q-4 | |
| C304 | P-2 | C340 | P-4 | L301 | P-2 | R329 | P-3 | |
| C305 | P-2 | C343 | Q-4 | L302 | R-3 | R334 | 0-3 | |
| C306 | P-2 | C344 | 0-3 | L303 | R-3 | R335 | P-3 | |
| C307 | P-2 | C346 | P-1 | L304 | P-4 | R336 | 0-3 | |
| C314 | R-2 | C347 | P-1 | RESIS | STORS | R337 | P-3 | |
| C315 | R-2 | C349 | R-2 | R302 | P-2 | R338 | R-3 | |
| C316 | R-3 | C777 | U-3 | R303 | P-2 | R352 | P-4 | |
| C317 | R-3 | C778 | P-5 | R304 | P-2 | R353 | P-3 | |
| C318 | R-3 | CONNE | CTORS | R305 | P-1 | R391 | 0-4 | |
| C319 | R-3 | CN303 | 0-5 | R306 | Q-1 | R392 | 0-4 | |
| C320 | R-3 | CN701 | U-1 | R307 | Q-2 | R393 | 0-4 | |
| C321 | R-3 | CN702 | U-1? | R309 | Q-2 | CRYSTAL (| OSCILATOR | |
| C322 | R-3 | CN751 | U-3 | R310 | Q-2 | X301 | R-3 | |
| C323 | R-3 | CL301A | U-2 | R311 | Q-2 | MISCEL | LANEOUS | |
| C324 | R-3 | CL302A | 0-5 | R312 | Q-2 | TU001 | U-5 | |
| C325 | Q-4 | DIO | DES | R313 | Q-2 | TEST | POINTS | |
| C326 | Q-4 | D301 | Q-2 | R314 | Q-2 | TP006 | T-5 | |

1-8-51 1-8-50



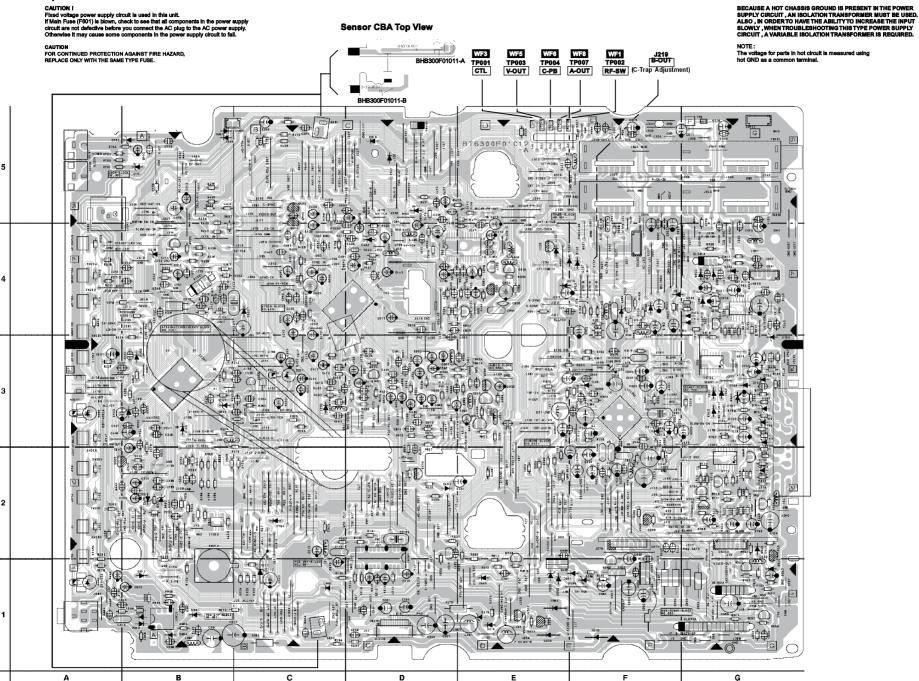






| MAIN 4/4 | 1 SCHEMATIC D | IACDAM DADTO | LOCATION GLIDE |
|----------|---------------|--------------|----------------|

| Ref No. | Position | Ref No. | Position | Ref No. | Position | Ref No. | Position | Ref No. | Position |
|---------|----------|---------|----------|---------|----------|----------|----------|---------|----------|
| | CITORS | | DES | | ISTORS | | TORS | | STORS |
| C701 | AA-1 | D751 | AA-3 | Q759 | Y-1 | R772 Z-3 | | R819 | AA-3 |
| C702 | BB-1 | D752 | AA-2 | Q760 | X-1 | B774 | X-3 | R820 | AA-2 |
| C751 | Z-3 | D754 | AA-2 | Q761 | W-1 | R775 | X-3 | R821 | Z-3 |
| C752 | BB-2 | D755 | AA-2 | RESIS | TORS | R777 | X-3 | R822 | AA-2 |
| C753 | AA-2 | D757 | AA-2 | R701 | BB-1 | R778 | X-3 | R823 | Z-2 |
| C754 | BB-2 | D758 | Z-3 | R702 | BB-1 | R779 | Y-3 | R824 | AA-2 |
| C755 | BB-2 | D759 | AA-3 | R703 | BB-1 | R780 | Y-2 | R825 | Y-1 |
| C756 | X-3 | D760 | AA-2 | R704 | AA-1 | R787 | Y-3 | R826 | Y-1 |
| C757 | Z-3 | D761 | X-2 | R750 | X-2 | R788 | Y-3 | R828 | X-2 |
| C758 | Z-3 | D762 | W-2 | R751 | BB-3 | R789 | Y-3 | R829 | X-1 |
| C759 | X-3 | D763 | W-2 | R752 | AA-2 | R790 | BB-2 | R830 | W-1 |
| C760 | X-3 | D764 | W-2 | R753 | BB-2 | R791 | BB-2 | R831 | W-1 |
| C761 | W-2 | IC | S | R754 | AA-3 | R792 | Z-3 | R834 | Z-3 |
| C762 | AA-1 | IC751 | Z-2 | R755 | BB-2 | R793 | Z-3 | R835 | AA-1 |
| C767 | Z-2 | IC752 | X-2 | R756 | AA-2 | R794 | AA-3 | R836 | Z-2 |
| C768 | AA-2 | CC | ILS | R757 | AA-2 | R795 | AA-3 | R879 | W-2 |
| C769 | Y-2 | L751 | BB-2 | R758 | BB-2 | R796 | BB-2 | MISCELL | ANEOUS |
| C773 | Z-2 | L752 | AA-2 | R759 | AA-2 | R797 | AA-2 | JK701 | BB-1 |
| C774 | Z-2 | TRANS | ISTORS | R760 | BB-2 | R798 | W-2 | JK702 | BB-1 |
| C775 | AA-2 | Q751 | AA-1 | R761 | AA-2 | R799 | W-2 | JK751 | BB-3 |
| C776 | BB-1 | Q752 | AA-2 | R762 | AA-1 | R810 | V-2 | | |
| C779 | V-2 | Q753 | Y-3 | R763 | AA-1 | R812 | W-2 | | |
| C811 | W-1 | Q754 | Y-3 | R766 | Y-3 | R814 | W-2 | | |
| CONN | ECTOR | Q755 | Z-3 | R767 | Z-2 | R815 | W-2 | | |
| CN752 | V-3 | Q756 | W-2 | R768 | Y-3 | R816 | X-2 | | |
| DIC | DES | Q757 | W-2 | R770 | Y-3 | R817 | W-2 | | |
| D702 | BB-1 | Q758 | AA-3 | B771 | Y-3 | R818 | W-2 | | |



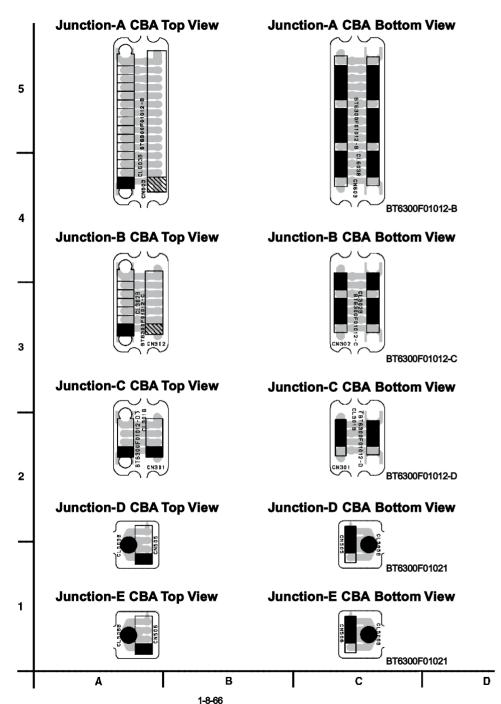
CAUTION I
Fixed voltage power supply circuit is used in this unit.
If Main Fuse (F601) is blown, check to see that all components in the power supply circuit are not defeative before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail. SUPPLY CIRCUIT, AN ISOLATION TRANSFORMER MUST BE USED. ALSO, IN ORDER TO HAVE THE ABILITY TO INCREASE THE INPUT SLOWLY, WHEN TROUBLESHOOTING THIS TYPE POWER SUPPLY CIRCUIT, A VARIABLE ISOLATION TRANSFORMER IS REQUIRED. CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE FUSE. NOTE: The voltage for parts in hot circuit is measured using hot GND as a common terminal. WF4 PIN 48 OF IC401 WF2 PIN 29 OF IC401 PIN 1 OF CN303 INTELLIGENT MONITOR WEII PIN 7 OF IC301 WEID PIN 13 OF IC301 WE18 - PIN 59 OF IC201 WF7 PIN 52 OF IC301 WE17 - PIN 58 OF IC201

BECAUSE A HOT CHASSIS GROUND IS PRESENT IN THE POWER

Main CBA Parts Location Guide

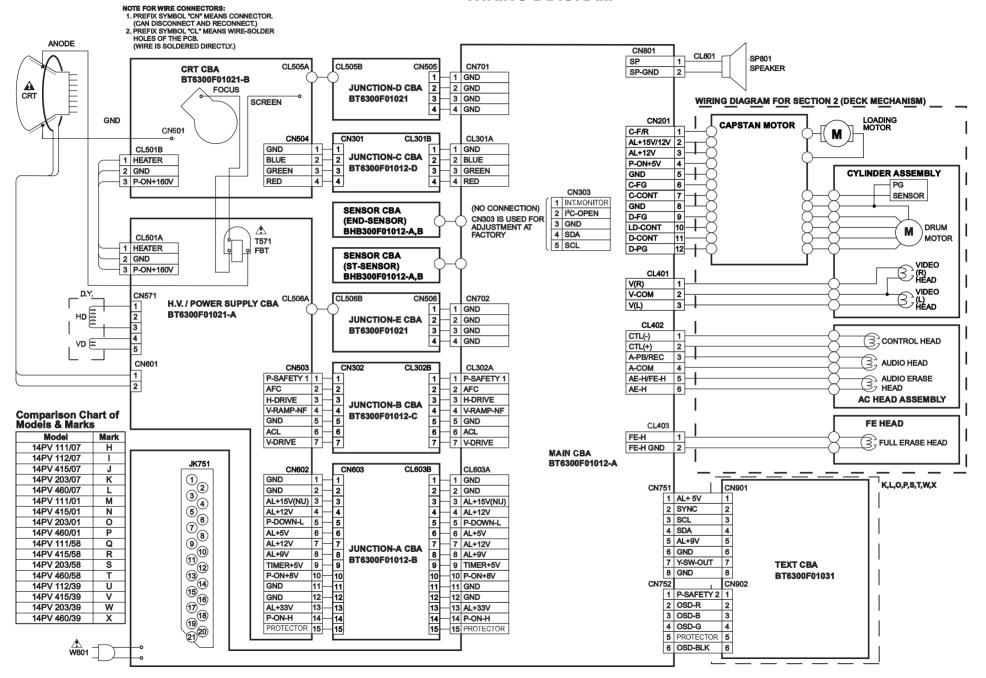
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|--------------|------------|--------------|------------|--------------|------------|----------------|--------------|-----------------|------------|----------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|--------------|---------------|
| CAPAC | | | CITORS | | CITORS | CAPAC | | | CTORS | | DES | | ISTORS | | STORS | | TORS | | TORS | | TORS |
| C009 | G-5 | C260 | B-2 | C418 | C-3 | C755 | G-1 | CN701 | G-5 | D801 | B-1 | Q761 | D-1 | R260 | B-2 | R407 | B-5 | R771 | G-2 | R859 | D-4 |
| C010 | G-5 | C261 | D-1 | C419 | C-3 | C756 | G-2 | CN702 | F-4 | D802 | B-1 | Q851 | E-4 | R261 | E-4 | R408 | B-5 | R772 | G-2 | R860 | E-4 |
| C011 | F-5 | C262 | C-5 | C420 | C-3 | C757 | G-3 | CN751 | F-2 | D804 | B-1 | Q852 | E-4 | R262 | F-3 | R409 | C-5 | R774 | G-2 | R861 | D-3 |
| C012 | F-5 | C301 | E-3 | C421 | C-4 | C758 | G-3 | CN752 | G-2 | D805 | B-5 | Q853 | E-4 | R263 | B-2 | R410 | C-5 | R775 | G-2 | R862 | E-3 |
| C013 | G-4 | C302 | E-3 | C423 | C-4 | C759 | G-2 | CN801 | C-5 | D806 | B-5 | Q854 | E-3 | R264 | B-2 | R411 | C-4 | R777 | G-2 | R863 | E-3 |
| C014 | G-4 | C303 | F-3 | C424 | C-4 | C760 | G-2 | CL301A | G-4 | | S | Q855 | E-3 | R265 | C-3 | R412 | C-5 | R778 | G-2 | R864 | E-3 |
| C016 C017 | D-5 G-5 | C304 C305 | F-3 F-3 | C425 C426 | C-4 C-4 | C761 C762 | E-1 G-1 | CL302A CL401 | G-1 D-4 | IC201 IC202 | B-3 B-2 | Q856 Q857 | E-3 E-4 | R268 R269 | B-2 B-2 | R413 R414 | C-5 C-5 | R779 R780 | G-2 G-2 | R865 R866 | D-3 D-3 |
| C201 | B-3 | C306 | F-3 | C426 C427 | C-4 | C762 | G-3 | CL401 | D-3 | IC202 | F-3 | | TORS | R270 | B-2 B-2 | R414 R415 | C-4 | R787 | G-2 | R867 | D-3 D-2 |
| C202 | B-3 | C307 | F-3 | C428 | C-5 | C768 | G-4 | CL403 | D-5 | IC401 | D4 | R201 | A-2 | R271 | B-2 | R416 | C4 | R788 | G-2 | R868 | D-2 |
| C203 | C-5 | C314 | F-3 | C429 | C-4 | C769 | G-4 | CL603A | G-1 | IC471 | F-4 | R202 | A-2 | R273 | E-1 | R417 | C-4 | R789 | G-2 | R871 | D-3 |
| C204 | B-4 | C315 | F-4 | C430 | C-4 | C773 | G-4 | | DES | IC602 | F-1 | R203 | B-5 | R274 | B-3 | R420 | D4 | R790 | G-3 | R872 | D-3 |
| C205 | A-4 | C316 | F-3 | C432 | C-5 | C774 | G-4 | D201 | C-3 | IC751 | G-2 | R204 | C-5 | R275 | D-1 | R421 | D-4 | R791 | G-2 | R874 | E-3 |
| C206 | C-1 | C317 | F-3 | C433 | C-5 | C775 | G-3 | D202 | A-3 | IC752 | G-3 | R205 | A-4 | R276 | C-2 | R424 | D4 | R792 | G-3 | R875 | E-3 |
| C207 | A-3 | C318 | F-4 | C434 | C-4 | C776 | G-4 | D203 | A-1 | IC801 | B-1 | R206 | A-4 | R277 | B-2 | R425 | C-4 | R793 | G-3 | R876 | E-4 |
| C208 | B-4 | C319 | F-4 | C435 | C-4 | C777 | F-1 | D206 | B-2 | | ILS | R207 | A-2 | R283 | B-3 | R426 | B-4 | R794 | G-3 | R877 | D-4 |
| C210 | B-4 | C320 | F-3 | C436 | C-4 | C778 | F-2 | D207 | B-3 | L001 | G-4 | R208 | A-4 | R284 | C-1 | R427 | B-5 | R795 | G-3 | R878 | D-3 |
| C211 | B-4 | C321 | F-3 | C437 | D-5 | C779 | F-2 | D208 | E-1 | L003 | F-5 | R209 | A-4 | R285 | D-1 | R428 | C-4 | R796 | G-2 | R879 | E-2 |
| C212 | B-4 B-4 | C322 | F-3 F-3 | C438 | D-4 B-5 | C801 | B-1 C-1 | D210 | E-1 E-1 | L201 | E-1 B-3 | R210 | A-4 A-2 | R302 | E-2 F-3 | R429 | B-5 B-5 | R797 | G-3 B-2 | SW201 | TCHES A-4 |
| C213 C214 | B-4 | C323 C324 | F-3 | C439 C441 | D-4 | C802 C803 | B-1 | D211 D212 | B-3 | L202 L203 | E-1 | R211 R212 | A-2 | R303 R304 | F-3 | R430 R431 | C-4 | R798 R799 | B-2 | SW202 | A-2 |
| C215 | B-4 | C325 | F-3 | C442 | D-4 | C804 | A-1 | D213 | B-2 | L301 | E-3 | R213 | A-3 | R305 | F-3 | R437 | C-3 | R801 | C-1 | SW203 | A-2 |
| C216 | C-4 | C326 | G-3 | C443 | D-4 | C805 | B-1 | D214 | B-3 | L302 | F-4 | R214 | A-4 | R306 | F-3 | R471 | D-5 | R802 | B-1 | SW204 | A-4 |
| C217 | B-4 | C327 | F-3 | C444 | D-4 | C806 | B-1 | D215 | B-1 | L303 | F-3 | R215 | B-2 | R307 | F-3 | R473 | D-5 | R803 | B-1 | SW205 | A-3 |
| C218 | B-4 | C328 | F-4 | C445 | C-4 | C807 | A-1 | D216 | D-5 | L304 | F-2 | R216 | B-1 | R309 | F-4 | R475 | D-3 | R804 | B-1 | SW206 | A-2 |
| C219 | C-3 | C329 | F-2 | C446 | C-3 | C809 | B-1 | D217 | D-5 | L401 | C-3 | R217 | C-1 | R310 | F-4 | R476 | D-3 | R805 | B-1 | SW207 | A-2 |
| C220 | C-3 | C330 | F-3 | C447 | C-4 | C810 | A-1 | D218 | B-4 | L403 | D4 | R218 | C-1 | R311 | F-4 | R680 | G-1 | R806 | B-1 | SW208 | A-2 |
| C221 | C-3 | C331 | F-2 | C448 | B-5 | C811 | D-1 | D219 | C-1 | L485 | D-4 | R219 | C-1 | R312 | F-4 | R681 | G-1 | R807 | B-1 | SW209 | A-4 |
| C222 | B-3 | C332 | F-2 | C449 | C-5 | C813 | B-1 | D301 | F-3 | L751 | G-2 | R220 | C-1 | R313 | F-4 | R682 | F-1 | R810 | G-1 | SW210 | A-3 |
| C223 | C-3 | C334 | F-2 | C450 | C-4 | C851 | E-4 | D304 | G-4 | L752 | G-2 | R221 | B-4 | R314 | F-4 | R683 | F-1 | R812 | E-1 | SW211 | B-4 |
| C224 C225 | C-3 B-3 | C335 | F-2 F-2 | C452 C471 | B-5 D-5 | C852 C853 | E-3 E-4 | D305 | G-4 G-4 | L801 | B-1 E-3 | R222 | B-1 C-3 | R315 R316 | F-4 E-3 | R684 | F-1 F-1 | R814 | E-2 F-2 | SW212 | B-2 POINTS |
| C232 | B-3 | C336 C337 | F-2 | C471 | F-5 | C854 | E-4 | D306 D307 | F-4 | L851 L852 | E-4 | R223 R224 | B-3 | R318 | F-4 | R685 R686 | F-1 | R815 R816 | B-2 | TP001 | D-5 |
| C232 | B-2 | C339 | F-3 | C473 | D-5 | C855 | E-4 | D309 | G-4 | L853 | E-3 | R225 | A-2 | R319 | F-3 | R687 | G-1 | R817 | B-2 | TP002 | D-5 |
| C234 | C-3 | C340 | F-2 | C474 | D-4 | C856 | E-3 | D312 | F-4 | L854 | E-4 | R226 | B-4 | R320 | F-3 | R688 | G-1 | R818 | B-2 | TP003 | D-5 |
| C235 | B-2 | C343 | F-2 | C475 | F-5 | C857 | E-4 | D401 | C-3 | L856 | E-4 | R227 | A-3 | R321 | F-4 | R701 | A-5 | R819 | G-4 | TP004 | D-5 |
| C236 | B-2 | C344 | F-2 | C478 | F-4 | C858 | E-3 | D402 | D-4 | TRANS | ISTORS | R228 | A-1 | R322 | G-3 | R702 | A-5 | R820 | G-4 | TP006 | G-5 |
| C237 | B-2 | C346 | F-4 | C479 | F-5 | C859 | E-3 | D471 | D-5 | Q201 | C-5 | R229 | B-3 | R323 | F-3 | R703 | A-5 | R821 | G-4 | TP007 | D-5 |
| C238 | B-2 | C347 | E-4 | C484 | F-4 | C860 | E-3 | D680 | E-1 | Q202 | C-1 | R231 | B-4 | R325 | F-3 | R704 | A-5 | R822 | G-4 | CRYSTAL O | SCILATORS |
| C239 | B-2 | C349 | F-3 | C485 | F-4 | C861 | E-3 | D681 | F-1 | Q206 | C-3 | R232 | B-4 | R327 | F-3 | R750 | B-2 | R823 | G-4 | X201 | B-4 |
| C240 | B-3 | C401 | D-3 | C486 | F-4 | C862 | D-3 D-3 | D682 | C-1 | Q208 | B-4 | R233 | F-5 | R328 | F-2 | R751 | G-3 | R824 | G-2 | X202 | C-4 |
| C241 C242 | B-3 B-2 | C402 C403 | D-3 D-3 | C488 | F-4 D-4 | C863 | D-3 | D683 | E-1 E-1 | Q401 Q402 | C-4 C-5 | R234 | B-4 B-4 | R329 | F-2 E-2 | R752 | G-3 G-3 | R825 | G-2 G-2 | X301 X401 | F-3 C-3 |
| C242 C243 | A-2 | C403 | D-3 | C489 C491 | D-4 | C864 C865 | D-3 | D684 D685 | F-1 | Q402 Q471 | D-3 | R236 R238 | B-4 | R334 R335 | E-2 | R753 R754 | G-3 | R826 R828 | F-2 | | LANEOUS |
| C245 | B-3 | C405 | D-3 | C493 | D-4 | C866 | D-3 | D702 | A-5 | Q680 | F-1 | R239 | B-4 | R336 | E-2 | R755 | G-3 | R829 | E-2 | JK701 | A-5 |
| C246 | A-3 | C406 | D-3 | C681 | F-1 | C867 | D-3 | D751 | G-3 | Q681 | E-1 | R240 | B-4 | R337 | E-2 | R756 | G-3 | R830 | E-1 | JK702 | A-5 |
| C247 | A-3 | C407 | D-3 | C682 | F-2 | C869 | D-3 | D752 | G-3 | Q682 | G-1 | R241 | B-4 | R338 | G-4 | R757 | G-4 | R831 | D-1 | JK751 | G-3 |
| C248 | B-3 | C408 | D-3 | C683 | F-1 | C870 | D-4 | D754 | G-3 | Q751 | G-2 | R242 | C-3 | R352 | F-2 | R758 | G-2 | R834 | G-3 | JK801 | A-1 |
| C249 | A-3 | C409 | D-3 | C684 | E-2 | C871 | D-4 | D755 | G-2 | Q752 | G-1 | R245 | B-3 | R353 | E-2 | R759 | G-2 | R835 | F-4 | RS201 | A-3 |
| C250 | D-1 | C410 | D-3 | C685 | F-1 | C872 | D-2 | D757 | G-3 | Q753 | G-2 | R246 | C-3 | R391 | G-4 | R760 | G-1 | R836 | G-4 | TU001 | G-5 |
| C251 | D-1 | C411 | D-3 | C687 | G-1 | C874 | D-3 | D758 | G-3 | Q754 | G-2 | R247 | B-3 | R392 | G-4 | R761 | G-2 | R851 | D-4 | | |
| C252 | D-1 | C412 | C-3 | C701 | G-4 | C875 | E-3 | D759 | G-3 | Q755 | G-2 | R248 | C-3 | R393 | G-4 | R762 | G-1 | R852 | E-4 | | |
| C253 | D-1 | C413 | D-3 | C702 | B-5 | C876 | D-4 | D760 | G-2 | Q756 | E-2 | R249 | C-2 | R400 | C-4 | R763 | G-1 | R853 | E-4 | | |
| C255 | C-3 C-3 | C414 | C-3 C-3 | C751 | G-3 G-3 | C877 CONNE | E-4 CTORS | D761 D762 | G-3 G-3 | Q757 Q758 | F-2 G-4 | R250 | B-2 B-2 | R401 R402 | D-3 D-3 | R766 R767 | G-2 G-2 | R854 | E-4 E-3 | | |
| C256 C257 | D-1 | C415 C416 | C-3 | C752 C753 | G-3 | CN201 | D-1 | D762 D763 | G-3 | Q759 | G-2 | R257 R258 | B-2 | R402 | C-3 | R768 | G-2 G-2 | R855 R856 | E-3 | | |
| C257 | A-2 | C416 C417 | C-3 | C754 | G-2 | CN201 CN303 | G-4 | D763 | G-3 C-2 | Q760 | G-2 | R259 | B-2 | R406 | B-5 | R770 | G-2 G-2 | R857 | E-3 | | |
| OLOU | 77-6 | ٠ | | 0,07 | | 011000 | | 2,54 | | 4,00 | | 1400 | , J. | 14700 | | 1070 | | 1007 | | l | |

1-8-64 1-8-65



1-8-67

WIRING DIAGRAM



[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58), 14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

Comparison Chart of Models and Marks

| Model | Mark | Model | Mark |
|------------|------|------------|------|
| 14PV111/07 | Н | 14PV111/58 | Q |
| 14PV112/07 | I | 14PV415/58 | R |
| 14PV415/07 | J | 14PV203/58 | S |
| 14PV203/07 | K | 14PV460/58 | Т |
| 14PV460/07 | L | 14PV112/39 | U |
| 14PV111/01 | М | 14PV415/39 | ٧ |
| 14PV415/01 | N | 14PV203/39 | W |
| 14PV203/01 | 0 | 14PV460/39 | Х |
| 14PV460/01 | Р | | |

IC 201 (TV/VCR Micro Computer)

"H" ≥ 4.5V, "L" ≤ 1.0V

| Pin No. | Mark | IN/ OUT | Signal Name | Function |
|------------|------|------------|----------------|--|
| 1 | | - | NU | Not Used |
| 2 | | IN | P-SAFETY 2 | Power Supply Failure Detection 2 |
| 3 | | IN | P-SAFETY 1 | Power Supply Failure Detection 1 |
| 4 | | IN | END-SENS | End-Sensor |
| 5 | | IN | AFC | Automatic Frequency Control Signal |
| 6 | | IN | V-ENV | Video Envelope Input |
| 7 | | IN | KEY-1 | Key 1 Input |
| 8 | | IN | KEY-2 | Key 2 Input |
| 9 | | IN | LD-SW | Loading Switch Input |
| 10 | | IN | ST-SENS | Start-Sensor |
| 11 | | - | NU | Not Used |
| 12 | | - | NU | Not Used |
| 13 | | IN/ OUT | D-V SYNC | Artificial V-Sync Output |
| 14 | | IN | REMOTE | Remote Signal Input |
| 15 | | OUT | C-ROTA | Color Phase Rotary Changeover Signal |
| 16 | | OUT | H-A-SW | Video Head Amp Switching Pulse |
| 17 | | IN | H-A-COMP | Head Amp Comparator Signal |

| | , | 1 | | |
|------------|---|------------|-----------------|---|
| Pin No. | Mark | IN/ OUT | Signal Name | Function |
| 18 | | OUT | RF-SW | Video Head Switching Pulse |
| 19 | | - | NU | Not Used |
| 20 | | - | NU | Not Used |
| 21 | | - | NU | Not Used |
| 22 | | OUT | RGB-CONT | RGB Control Signal |
| 23 | | OUT | REC-LED | Recording LED Control Signal |
| 24 | | OUT | REC-LED | Recording LED Control Signal |
| 25 | | - | NU | Not Used |
| 26 | | - | NU | Not Used |
| 27 | | - | NU | Not Used |
| 28 | | - | NU | Not Used |
| 29 | | IN | RAPID-SW- IN | RAPID-Switch Input Signal from Scart Jack |
| 30 | | IN | SLOW SW-IN | Slow-Switch Input Signal from Scart Jack |
| 31 | | IN | REC- SAFETY | Record Protection Tab Detection |
| | U,V, W,X | • | NU | Not Used |
| 32 | H,I,J, K,L, M,N, O,P, Q,R, S,T | IN | SECAM-H | SECAM Mode at High |
| | U,V, W,X | - | NU | Not Used |
| 33 | H,I,J, K,L, M,N, O,P, Q,R, S,T | OUT | TRICK-H | Special Playback = "H" in SECAM Mode |
| 34 | | IN | RESET | System Reset Signal (Reset="L") |

1-12-4 T6310PIN

| Pin No. | Mark | IN/ OUT | Signal Name | Function |
|------------|------|------------|----------------|---|
| 35 | | IN | XCIN | Sub Clock 32 kHz |
| 36 | | OUT | XCOUT | Sub Clock 32 kHz |
| 37 | | • | TIMER+5V | Vcc |
| 38 | | IN | XIN | Main Clock Input |
| 39 | | OUT | XOUT | Main Clock Output |
| 40 | | - | GND | GND |
| 41 | | OUT | SPOT-KILL | Counter-measure for Spot |
| 42 | | OUT | EXT-L | External Input or Playback = Output |
| 43 | | IN | CLKSEL | Clock Select (GND) |
| 44 | | OUT | SP-MUTE | Speaker Mute Signal |
| 45 | | IN | I2C-OPEN | White Balance Adjust Mode Judgment |
| 46 | | 1 | GND | GND |
| 47 | | - | NU | Not Used |
| 48 | | OUT | SCART-H | Switching Signal of Scart Jack and RCA Jack |
| 49 | | - | OSDGND | OSD GND |
| 50 | | 1 | NU | Not Used |
| 51 | | ı | NU | Not Used |
| 52 | | ı | NU | Not Used |
| 53 | | - | OSDVcc | OSDVcc |
| 54 | | - | HLF | HLF |
| 55 | | - | NU | Not Used |
| 56 | | IN | C-VIDEO | Video Signal Input |
| 57 | | - | GND | GND |
| 58 | | IN | H-SYNC | H-SYNC Input |
| 59 | | IN | V-SYNC | V-SYNC Input |
| 60 | | OUT | OSD-BLK | Output for Picture Cut off |
| 61 | | - | NU | Not Used |
| 62 | | OUT | OSD-B | Blue Output |
| 63 | | OUT | OSD-G | Green Output |
| 64 | | OUT | OSD-R | Red Output |
| 65 | | OUT | D-REC-H | Delayed Record Signal |
| 66 | | - | NU | Not Used |
| 67 | | OUT | P-ON-H | Power On Signal at High |

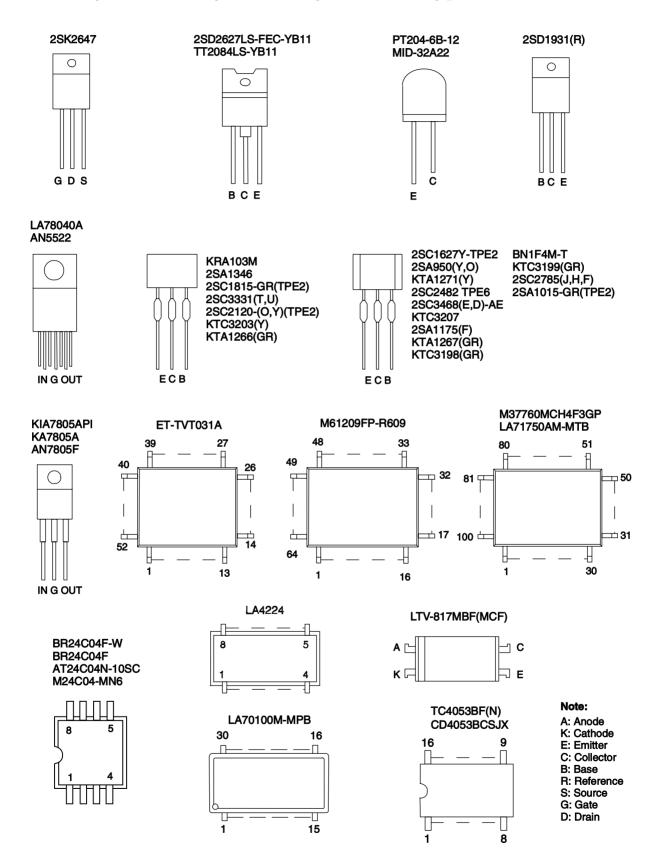
| Pin No. | Mark | IN/ OUT | Signal Name | Function |
|------------|------|------------|----------------|--|
| 68 | | - | NU | Not Used |
| 69 | | - | NU | Not Used |
| 70 | | - | NU | Not Used |
| 71 | | OUT | SCL | E2PROM/ CHROMA IC Tuner Communication Clock |
| 72 | | IN/ OUT | SDA | E2PROM/ CHROMA IC Tuner Communication Data |
| 73 | | OUT | SCART- MUTE | Audio Mute Signal at Scart Jack |
| 74 | | IN | C-SYNC | C-Sync Input |
| 75 | | - | NU | Not Used |
| 76 | | OUT | C-CONT | Capstan Motor Control Signal |
| 77 | | OUT | D-CONT | Drum Motor Control Signal |
| 78 | | OUT | C-F/R | Capstan Motor FWD/REV Control Signal (FWD="L"/ REV="H") |
| 79 | | - | NU | Not Used |
| 80 | | IN | T-REEL | Take Up Reel Rotation Signal |
| 81 | | OUT | LD-CONT | Loading Motor Control Signal |
| 82 | | OUT | TEXT-L | Teletext Control Signal |
| 83 | | OUT | A-MUTE-H | Audio Mute Control Signal (Mute = "H") |
| 84 | | - | NU | Not Used |
| 85 | | OUT | P-DOWN-L | Power Voltage Down Detector Signal at Low |
| 86 | | - | NU | Not Used |
| 87 | | IN | C-FG | Capstan Motor Rotation Detection Pulse |
| 88 | | - | AMPVss | AMPVss (GND) |
| 89 | | IN | D-FG | Drum Motor Rotation Detection Pulse |
| 90 | | IN | D-PG | Drum Motor Pulse Generator |

1-12-5 T6310PIN

| Pin No. | Mark | IN/ OUT | Signal Name | Function |
|------------|------|------------|----------------|--|
| 91 | | OUT | AMPVREF OUT | Standard Voltage Output |
| 92 | | Z | AMPVREF IN | Standard Voltage Input |
| 93 | | - | С | C Terminal |
| 94 | | IN/ OUT | CTL (-) | CTL (-) |
| 95 | | IN/OUT | CTL (+) | CTL (+) |
| 96 | | - | AMPC | AMPC |
| 97 | | OUT | CTLAMP OUT | Control Amp Output |
| 98 | | - | AMPVcc | AMPVcc |
| 99 | | - | AVcc | A/D Converter Power Input/ Standard Voltage Input |
| 100 | | IN | AGC | IF AGC Control Signal |

1-12-6 T6310PIN

[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58), 14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]



1-13-2 T6310LE

PRODUCT SAFETY NOTE: Products marked with a A

have special characteristics important to safety.

Before replacing any of these components, read carefully the product safety notice in this service manual.

Don't degrade the safety of the product through improper servicing.

NOTES:

| | ELECTR | ICAL PARTS LIST | 4PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|--------------|----------------|---|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|------------|------------|
| Pos. | △ 12 NC | Description | 14 | 4 | 4 | 14 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 14 |
| | | MMA CBA | | 1 | | | | | | <u> </u> | | | | <u> </u> | <u> </u> | | | | — |
| | | Consists of the following | | | | | | | | | | | | | | | | | |
| | | MAIN CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | JUNCTION A CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | ++ | JUNCTION B CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | JUNCTION C CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | ++ | SENSOR CBA | + ' | <u>'</u> | r' | † | i i | <u>'</u> | r' | <u>'</u> | i ' | i ' | i ' | Ľ | <u> </u> | Ľ | ' | ' | H |
| | <u> </u> | MAIN CBA | | | | <u> </u> | | | | <u> </u> | | | | <u> </u> | l | | <u> </u> | | |
| | | CAPACITORS | | | | | | | | | | | | | | | | | |
| C009 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C010 | | ELECTROLYTIC CAP. 1UF/50V M | i | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C011 | | CERAMIC CAP.(AX) B K 0.01UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C012 | + | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | + | ELECTROLYTIC CAP. 10F/30V M ELECTROLYTIC CAP. 47UF/25V M | _ | + | _ | - | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C013 C014 | + | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | + | (/ | _ | 1 | 1 | 1 | | | | | | | | | | | _ | | _ |
| C016 | + | CERAMIC CAP.(AX) SL J 33PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C017 | | ELECTROLYTIC CAP. 4.7UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C201 | <u> </u> | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C202 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C203 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C204 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C205 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C206 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C207 | | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C208 | | CERAMIC CAP.(AX) B K 100PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C210 | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C211 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C212 | | CERAMIC CAP.(AX) SL J 22PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C213 | | CERAMIC CAP.(AX) SL J 22PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C214 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C215 | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C216 | | ELECTROLYTIC CAP. 220UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C217 | | CERAMIC CAP.(AX) SL J 10PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C218 | | CERAMIC CAP.(AX) SL J 10PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C219 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C220 | | CERAMIC CAP.(AX) X M 4700PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C221 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C222 | | CERAMIC CAP.(AX) X M 2200PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C223 | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C224 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C225 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C232 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | _ |
| C233 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | _ | _ |
| C234 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | _ |
| C235 | 11 | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | | _ |
| C236 | | CERAMIC CAP.(AX) B K 100PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| C237 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| C238 | 11 | CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |

| | ELECTR | ICAL PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 4PV415/39 | 4PV460/39 |
|--------------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|
| Pos. | ▲ 12 NC | Description | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| C239 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C240 | | CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C241 | | CERAMIC CAP.(AX) B K 560PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C242 C243 | ++ | CERAMIC CAP.(AX) X M 4700PF/16V ELECTROLYTIC CAP. 22UF/16V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C245 | ++ | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C246 | ++ | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C247 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C248 | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C249 | | ELECTROLYTIC CAP. 22UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C250 | | CERAMIC CAP.(AX) B K 1000PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C251 | ++ | CERAMIC CAP.(AX) B K 1000PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C252 C253 | | ELECTROLYTIC CAP. 100UF/10V M ELECTROLYTIC CAP. 220UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C255 | | CERAMIC CAP.(AX) B K 560PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C256 | ++ | ELECTROLYTIC CAP. 0.1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C257 | | ELECTROLYTIC CAP. 220UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C259 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C260 | | CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C261 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C262 | | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C301 | ++ | CERAMIC CAP.(AX) X M 3300PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C302 C303 | ++ | ELECTROLYTIC CAP. 1UF/50V M CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C304 | ++ | ELECTROLYTIC CAP. 1000UF/6.3V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C305 | ++ | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C306 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C307 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C314 | | ELECTROLYTIC CAP. 100UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C315 | | ELECTROLYTIC CAP. 0.1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C316 | | FILM CAP.(P) 0.1UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C317 C318 | | CERAMIC CAP.(AX) Y M 0.01UF/16V ELECTROLYTIC CAP. 1000UF/6.3V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C319 | | CERAMIC CAP.(AX) B K 180PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C320 | | ELECTROLYTIC CAP. 0.1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | + | 1 | 1 | 1 |
| C321 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C322 | | ELECTROLYTIC CAP. 0.1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C323 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C324 | | CERAMIC CAP.(AX) B K 150PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C325 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | _ | _ | | _ | | | | 1 | 1 | 1 | 1 |
| C326 C327 | ++ | FILM CAP.(P) 0.015UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C328 | ++ | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C329 | | ELECTROLYTIC CAP. 470UF/10V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C330 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C331 | | FILM CAP.(P) 0.22ÚF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C332 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C334 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C335 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C336 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C337 C339 | | ELECTROLYTIC CAP. 10UF/50V M CERAMIC CAP.(AX) SL J 68PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C340 | ++ | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C343 | ++ | ELECTROLYTIC CAP. 470UF/10V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C344 | 11 | FILM CAP.(P) 0.22UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C346 | | ELECTROLYTIC CAP. 100UF/10V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C347 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C349 | | CERAMIC CAP.(AX) B K 1000PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C401 | | CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C402 | + | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C403 | + | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C404 C405 | + + | ELECTROLYTIC CAP. 1UF/50V M H7 ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | ELECTROLITIO OAF. 7/07/0.39 N/17/ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | ELECTR | ICAL PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 4PV415/39 | 4PV460/39 |
|--------------|----------------|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|
| Pos. | ▲ 12 NC | Description | 1 ₹ | 4 | 4 | 4 | 1 ₹ | 4 | 4 | 4 | 14 | 4 | 14 | 4 | 4 | 4 | 4 | 4 | 4 |
| C407 | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C408 | | CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C409 | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C410 | | CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C411 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C412 | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C413 C414 | + + | ELECTROLYTIC CAP. 1UF/50V M H7 CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C415 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C416 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C417 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C418 | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C419 | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C420 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C421 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C423 | | ELECTROLYTIC CAP. 10UF/25V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C424 | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C425 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C426 | | ELECTROLYTIC CAP. 220UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C427 | | ELECTROLYTIC CAP. 1UF/50V M H7 ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C428 C429 | | ELECTROLYTIC CAP. 10F/30V M H7 ELECTROLYTIC CAP. 10UF/25V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C430 | | ELECTROLYTIC CAP. 100F/25V M H7 ELECTROLYTIC CAP. 22UF/16V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C432 | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C433 | 11 | CERAMIC CAP.(AX) B K 150PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C434 | | CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C435 | | CERAMIC CAP.(AX) B K 220PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C436 | | ELECTROLYTIC CAP. 100UF/6.3V H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C437 | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C438 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C439 | | ELECTROLYTIC CAP. 220UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C441 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C442 | | ELECTROLYTIC CAP. 10UF/25V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C443 C444 | | CERAMIC CAP.(AX) B K 1000PF/50V ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C445 | | CERAMIC CAP.(AX) SL J 68PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C446 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | + | 1 | 1 | 1 | 1 | 1 | 1 |
| C447 | 11 | CERAMIC CAP.(AX) SL J 68PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C448 | | ELECTROLYTIC CAP. 4.7UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C449 | | CERAMIC CAP.(AX) SL J 68PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C450 | | CERAMIC CAP.(AX) SL J 68PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C452 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C471 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| C472 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| C473 | | ELECTROLYTIC CAP. 1 47/15/50V M H7 | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| C474 C475 | | ELECTROLYTIC CAP. 0.47UF/50V M H7 CERAMIC CAP.(AX) Y M 0.01UF/16V | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| C478 | | ELECTROLYTIC CAP. 10UF/25V M H7 | | | | | | | | | | 1 | | | | 1 | 1 | 1 | 1 |
| C479 | | ELECTROLYTIC CAP. 0.47UF/50V M H7 | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| C484 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| C485 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| C486 | | ELECTROLYTIC CAP. 0.47UF/50V M H7 | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| C488 | | CERAMIC CAP.(AX) B K 820PF/50V | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| C489 | | CERAMIC CAP.(AX) B K 820PF/50V | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| C491 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| C493 | | ELECTROLYTIC CAP. 2.2UF/50V M H7 | _ | <u> </u> | | | | | | | | <u> </u> | | | | 1 | 1 | 1 | 1 |
| C681 | | ELECTROLYTIC CAP. 10UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C682 | ++ | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | - | - | _ | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C683 | 1 | ELECTROLYTIC CAP. 100UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | _ | - | _ | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C684 | ++ | CERAMIC CAP.(AX) B K 100PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | _ | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C685 C687 | ++ | ELECTROLYTIC CAP. 47UF/25V M CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | _ | | 1 | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C701 | ++ | ELECTROLYTIC CAP. 4.7UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | _ | | 1 | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C702 | + | CERAMIC CAP.(AX) B K 330PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | ELECTRICA | AL PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|--------------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | ▲ 12 NC | Description | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 14 | 14 | 14 | 14 | 4 | ₹ | 4 |
| C751 | 11 | ELECTROLYTIC CAP. 4.7UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C752 | | CERAMIC CAP.(AX) X M 6800PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C753 | | ELECTROLYTIC CAP. 0.22UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C754 | | ELECTROLYTIC CAP. 470UF/10V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C755 | | ELECTROLYTIC CAP. 100UF/10V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C756 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C757 | | ELECTROLYTIC CAP. 0.47UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C758 | | ELECTROLYTIC CAP. 0.47UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C759 C760 | + | ELECTROLYTIC CAP. 1UF/50V M ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C760 C761 | | CERAMIC CAP. (AX) B K 1000PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C762 | | CERAMIC CAP.(AX) B K 270PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C767 | | ELECTROLYTIC CAP. 0.47UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C768 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C769 | | ELECTROLYTIC CAP. 470UF/10V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C773 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C774 | | CERAMIC CAP.(AX) SL J 68PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C775 | | CERAMIC CAP.(AX) SL J 68PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C776 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C777 | | CERAMIC CAP.(AX) B K 100PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C778 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C779 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C801 | | ELECTROLYTIC CAP. 330UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C802 | | ELECTROLYTIC CAP. 470UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C803 | | ELECTROLYTIC CAP. 10UF/25V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C804 | | ELECTROLYTIC CAP. 0.22UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C805 | | CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C806 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C807 | | CERAMIC CAP.(AX) B K 330PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C809 C810 | | CERAMIC CAP.(AX) B K 100PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C810 | | CERAMIC CAP.(AX) B K 100PF/50V CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C813 | | FILM CAP.(P) 0.1UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C851 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C852 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C853 | | CERAMIC CAP. B K 470PF/500V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C854 | | FILM CAP.(P) 0.018UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C855 | | ELECTROLYTIC CAP. 220UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C856 | | CERAMIC CAP.(AX) X M 1800PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C857 | | CERAMIC CAP.(AX) X M 1500PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C858 | | ELECTROLYTIC CAP. 4.7UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C859 | | CERAMIC CAP.(AX) SL J 33PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C860 | | ELECTROLYTIC CAP. 10UF/25V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C861 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C862 | | ELECTROLYTIC CAP. 33UF/10V H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C863 | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C864 | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C865 | | ELECTROLYTIC CAP. 4.7UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C866 C867 | | ELECTROLYTIC CAP. 1UF/50V M H7 ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C869 | + | ELECTROLYTIC CAP. 10F/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C870 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C871 | ++ | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C872 | | CERAMIC CAP. (AX) B K 150PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C874 | | CERAMIC CAP.(AX) B K 220PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C875 | | CERAMIC CAP.(AX) X M 4700PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C876 | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C877 | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CL301A | 9965 000 13836 | LEAD WIRE 4P/300 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CL302A | + + | LEAD WIRE 7P/200 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CL603A | | LEAD WIRE 15P(7+8)/330 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CL702A | 9965 000 14388 | WIRE 140/BRO/AWG18#1007 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | CONNECTORS | | | | | | | | | | | | | | | | | |
| CN201 | 9965 000 13840 | FFC/FPC CONNECTOR 12P | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| Doc | | AL PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|----------------|--|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|------------|------------|--------------|------------|------------|------------|
| Pos. | 12 NC | Description | | | _ | | | | | | | | | | | _ | | | |
| CN303 CN701 | + + | CONNECTOR BASE, 5P TUC-P05P-B1 CONNECTOR BASE 4P TUC-P04P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN701 | | CONNECTOR BASE 4P TUC-P04P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | ' | 1 | 1 | 1 | 1 | 1 | 1 |
| CN751 | | CONNECTOR BASE, 8P TUC-P08P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN752 | | CONNECTOR BASE, 6P TUC-P06P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN801 | 9965 000 13844 | STRAIGHT CONNECTOR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN801 | | STRAIGHT PIN HEADER, 2P 173981-2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | T T | DIODES | | | | | | | | | | | | | | | | | |
| D201 | | LED SIR-563ST3F P | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D202 D203 | | LED(RED) L-1513EC LED(RED) L-1513EC | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D203 D206 | 9965 000 13646 | ZENER DIODE MTZJT-775.6B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D207 | | ZENER DIODE MTZJT-775.6B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | : | 1 | 1 | 1 |
| D208 | | DIODE 1N5397-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D210 | 4822 130 83166 | ZENER DIODE MTZJT-776.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D211 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D213 | | ZENER DIODE MTZJT-776.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D214 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D215 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D216 | 4822 130 32778 | SWITCHING DIODE 188133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D217 D218 | | SWITCHING DIODE 1SS133(T-77) ZENER DIODE MTZJT-775.6B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D219 | | ZENER DIODE MTZJT-775.6B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | <u> </u> | 1 | 1 | 1 | 1 | 1 | 1 |
| D301 | | ZENER DIODE MTZJT-778.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | <u>†</u> | 1 | 1 | 1 |
| D304 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D305 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D306 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D307 | | ZENER DIODE MTZJT-778.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D309 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D312 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D401 D402 | | SWITCHING DIODE 188133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D402 D471 | | SWITCHING DIODE 1SS133(T-77) SWITCHING DIODE 1SS133(T-77) | 1 | 1 | - | - | 1 | - | 1 | 1 | 1 | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D680 | | SWITCHING DIODE 188133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D681 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D682 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D683 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D684 | 9965 000 05249 | ZENER DIODE MTZJT-775.6B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D685 | | ZENER DIODE MTZJT-776.8B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D702 | | ZENER DIODE MTZJT-776.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - | 1 | | 1 | | | 1 | 1 |
| D751 D752 | | SWITCHING DIODE 1SS133(T-77) SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D752 D754 | | ZENER DIODE DZ-5.1BSBT265 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 |
| D755 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D757 | | ZENER DIODE MTZJT-776.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D758 | 4822 130 83166 | ZENER DIODE MTZJT-776.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D759 | 4822 130 83166 | ZENER DIODE MTZJT-776.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D760 | | ZENER DIODE MTZJT-775.6B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D761 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D762 | | SWITCHING DIODE 188133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D763 D764 | | SWITCHING DIODE 1SS133(T-77) SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D801 | | SWITCHING DIODE 1SS133(1-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D802 | 1022 100 02110 | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 |
| D804 | 9965 000 13848 | ZENER DIODE MTZJT-777.5B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D805 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D806 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | IC's | | | | | | | | | | | | | | | | | |
| IC201 | | MICRO COMPUTER M37760MCH4F3GP | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC202 | | IC:MEMORY BR24C04F-W | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC301 | | IC:CHROMA/IF 1 CHIP M61209FP-R609 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC401 IC471 | | IC:Y/C/A LA71750AM-MTB IC:SECAM LA70100M-MPB | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 1 TO | 9900 000 13927 | VOLTAGE REGULATOR KIA7805API | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | ELECTRICA | L PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|----------------|--------------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | ▲ 12 NC | Description | 1 ₹ | 14 | 4 | 4 | ∓ | 4 | 4 | 4 | 4 | 4 | 14 | 14 | 14 | 14 | 4 | 4 | ₹ |
| IC751 | 9965 000 13852 | IC:SWITCH TC4053BF(N) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC752 | 9965 000 13852 | IC:SWITCH TC4053BF(N) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC801 | 9965 000 13853 | AUDIO AMP LA4224 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| JK701 | | RCA JACK(YELLOW) MSP-281V4-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| JK702 | | RCA JACK(WHITE) MSP-281V1-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| JK751 JK801 | | SKIRT JACK 21P HRC-21V-02P HEADPHONE JACK MSJ-035-10A B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| JKOUI | 9900 000 13000 | COILS | <u> </u> | <u> </u> | | | <u> </u> | <u> </u> | <u> </u> | ' | <u> </u> | ' | | ! ! | 1 | | <u> </u> | - 1 | - |
| L001 | 4822 157 10326 | INDUCTOR 10UH-K-5FT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L003 | | INDUCTOR 1.0UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L201 | 1 1 | CHOKE COIL 47UH-K | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L202 | 9965 000 13857 | INDUCTOR 0.10UH-K-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L203 | 9965 000 05627 | CHOKE COIL 47UH-K | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L301 | 9965 000 05627 | CHOKE COIL 47UH-K | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L302 | + | INDUCTOR 33UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L303 | 9965 000 13858 | INDUCTOR 33UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L304 L401 | 9965 000 13859 | PCB JUMPER D0.6-P5.0 INDUCTOR 22UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L401 L403 | 9965 000 13858 | INDUCTOR 33UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L405 L485 | 0000 000 10000 | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L751 | 9965 000 13860 | INDUCTOR 12UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L752 | 9965 000 13861 | INDUCTOR 1.2UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L801 | 9965 000 13856 | INDUCTOR 1.0UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L851 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L852 | 9965 000 05705 | INDUCTOR 47UH-K-5FT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L853 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L854 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L856 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0206 | 9965 000 08630 | PHOTO TRANSISTOR PT204-6B-12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 1 |
| Q206 Q208 | 9965 000 05643 | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q401 | 4822 130 42959 | TRANSISTOR KTA1266(GR) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q402 | 4822 130 11101 | TRANSISTOR 2SA1015-GR(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q471 | 9965 000 05643 | TRANSISTOR 2SC2785(F) | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| Q680 | 4822 130 42292 | TRANSISTOR 2SC2120-Y(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q681 | 9965 000 13863 | TRANSISTOR 2SD1913(R) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q682 | 9965 000 05643 | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q751 | 4822 130 11101 | TRANSISTOR 2SA1015-GR(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q752 Q753 | | TRANSISTOR 2SC2785(F) TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q754 | | TRANSISTOR 2SC2765(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q755 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q756 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q757 | 4822 130 11101 | TRANSISTOR 2SA1015-GR(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q758 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q759 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q760 | + + | RES. BUILT-IN TRANSISTOR KRA103M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q761 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q851 | + + | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q852 | | TRANSISTOR 2SA1015-GR(TPE2) TRANSISTOR 2SC2120-Y(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q853 Q854 | | TRANSISTOR 2SC2120-1 (TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q855 | 4822 130 10097 | TRANSISTOR 2SC3331(T) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q856 | - - | RES. BUILT-IN TRANSISTOR KRA103M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q857 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | RESISTORS | | | | | | | | | | | | | | | | | |
| R201 | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R202 | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R203 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R204 | | CARBON RES. 1/4W J 390K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R205 | 1 | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R206 R207 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R207 R208 | + + | CARBON RES. 1/4W J 1.5K OHM CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | ELECTR | CICAL PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|--------------|----------------|---|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | ▲ 12 NC | Description | 14 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 14 | 4 | 4 | 4 | 4 | ₹ | 14 |
| R209 | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R210 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R211 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R212 R213 | | CARBON RES. 1/4W J 1.5K OHM CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R213 R214 | ++ | CARBON RES. 1/4W J 2.2K OHM CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R215 | | CARBON RES. 1/6W G 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R216 | | CARBON RES. 1/6W G 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R217 | | CARBON RES. 1/6W G 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R218 | | CARBON RES. 1/6W G 470 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R219 | | CARBON RES. 1/6W G 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R220 R221 | | CARBON RES. 1/6W G 3.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R221 R222 | | CARBON RES. 1/6W J 1K OHM CARBON RES. 1/4W J 390K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R223 | | CARBON RES. 1/4W J 390K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R224 | | CARBON RES. 1/6W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R225 | | CARBON RES. 1/6W J 330 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R226 | | CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R227 | | CARBON RES. 1/6W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R228 | | CARBON RES. 1/6W J 680 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R229 | ++ | CARBON RES. 1/6W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R231 R232 | | PCB JUMPER D0.6-P5.0 CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R233 | ++ | CARBON RES. 1/4W J 10K OHM | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| R234 | ++ | CARBON RES. 1/6W J 47 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R236 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R238 | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R239 | | CARBON RES. 1/4W J 100K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R240 | | CARBON RES. 1/4W J 330K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R241 | ++ | CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R242 R245 | | CARBON RES. 1/6W J 1K OHM CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R246 | | PCB JUMPER D0.6-P5.0 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R247 | | CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R248 | | CARBON RES. 1/6W J 470 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R249 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R250 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R257 | ++ | CARBON RES. 1/6W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R258 R259 | | CARBON RES. 1/6W J 220 OHM PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R260 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R261 | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | _ | - | 1 | 1 |
| R262 | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R263 | | CARBON RES. 1/4W J 68K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R264 | | CARBON RES. 1/4W J 220K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | | 1 | 1 | 1 |
| R265 | ++ | CARBON RES. 1/4W J 33K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R268 R269 | ++ | PCB JUMPER D0.6-P5.0 CARBON RES. 1/4W J 100K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | | 1 | 1 | 1 |
| R270 | ++ | CARBON RES. 1/6W J 680 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R271 | | CARBON RES. 1/4W J 1.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | | 1 | 1 | 1 |
| R273 | | CARBON RES. 1/4W J 6.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | | - | 1 | 1 |
| R274 | | CARBON RES. 1/4W J 1M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R275 | | METAL OXIDE FILM RES. 1W J 2.2 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R276 | | CARBON RES. 1/6W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | _ | 1 | 1 | 1 |
| R277 | ++ | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | | 1 | 1 | 1 |
| R283 R284 | + | CARBON RES. 1/6W J 1K OHM CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R285 | + + | CARBON RES. 1/6W J 1K OHM CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R302 | ++ | CARBON RES. 1/4W J 10K OHM CARBON RES. 1/6W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | _ | 1 | 1 | 1 |
| R303 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R304 | 11 | CARBON RES. 1/4W J 6.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R305 | | CARBON RES. 1/6W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | _ | 1 | 1 | 1 |
| R306 | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | 1 | 1 |
| R307 | 1 1 | CARBON RES. 1/6W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | ELECTR | ICAL PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|--------------|-----------------|--|------------|------------|------------|------------|--------------|------------|------------|------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | 4⊾ 12 NC | Description | 14 | 14 | 4 | 14 | 14 | 14 | 14 | 14 | 4 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| R309 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R310 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R311 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R312 R313 | | CARBON RES. 1/6W J 100 OHM CARBON RES. 1/6W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R314 | | CARBON RES. 1/6W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R315 | | CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R316 | | CARBON RES. 1/6W J 12 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R318 | | CARBON RES. 1/4W J 220K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R319 | | CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R320 R321 | | CARBON RES. 1/4W J 150K OHM CARBON RES. 1/4W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R322 | ++ | CARBON RES. 1/4W J 13R OHM CARBON RES. 1/4W J 220K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R323 | | CARBON RES. 1/4W J 6.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R325 | | CARBON RES. 1/4W J 1M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R327 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R328 | | CARBON RES. 1/6W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R329 | | CARBON RES. 1/4W J 3.9K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R334 | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R335 R336 | ++ | CARBON RES. 1/4W J 18K OHM CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R337 | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R338 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R352 | | CARBON RES. 1/6W J 22 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R353 | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R391 | | CARBON RES. 1/6W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R392 | | CARBON RES. 1/6W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R393 R400 | | CARBON RES. 1/6W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R400 | ++ | CARBON RES. 1/4W J 4.7K OHM CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R402 | + + | CARBON RES. 1/4W J 8.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R405 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R406 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R407 | | CARBON RES. 1/4W J 6.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R408 | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R409 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R410 R411 | | CARBON RES. 1/4W J 18K OHM CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R412 | | CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R413 | + + | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R414 | | CARBON RES. 1/4W J 3.3K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | | 1 |
| R415 | | CARBON RES. 1/4W J 6.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R416 | | CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | _ | | 1 | - | 1 |
| R417 | 11 | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | _ | 1 | 1 | - | 1 |
| R420 R421 | ++ | CARBON RES. 1/4W J 10K OHM CARBON RES. 1/4W J 56K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R421 | ++ | CARBON RES. 1/4W J 36K OHM CARBON RES. 1/4W J 1.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R425 | 1 1 | CARBON RES. 1/6W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R426 | | CARBON RES. 1/6W J 330 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R427 | | CARBON RES. 1/6W J 330 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R428 | | CARBON RES. 1/6W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R429 | + | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R430 | ++ | CARBON RES. 1/6W J 680 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | 1 | 1 | _ | 1 |
| R431 R437 | ++ | CARBON RES. 1/4W J 390K OHM CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R471 | | PCB JUMPER D0.6-P5.0 | + | <u> </u> | H | Ľ | ' | Ľ | Ľ | Ľ | ' | Ľ | - | H | H. | 1 | 1 | 1 | 1 |
| R473 | | CARBON RES. 1/4W J 2.2K OHM | \vdash | | | | | | | | | | | | | 1 | 1 | - | 1 |
| R475 | | CARBON RES. 1/4W J 2.7K OHM | L | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| R476 | | CARBON RES. 1/4W J 1.8K OHM | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| R680 | | METAL OXIDE FILM RES. 2W J 47 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R681 | | METAL OXIDE FILM RES. 2W J 47 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R682 | ++ | METAL OXIDE FILM RES. 1W J 5.6 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R683 R684 | | METAL OXIDE FILM RES. 2W J 2.2 OHM CARBON RES. 1/6W J 10 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| Pos. | 2 NC | Description | | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|---|------|---|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------|------------|------------|------------|------------|------------|------------|
| R686 R687 R688 R701 R702 R703 R704 R750 R751 R752 R753 R754 R755 R755 R756 R757 R758 R759 R760 R761 R762 R763 R766 R767 R768 R777 R778 R778 R777 R778 R777 R778 R779 R778 R778 | | | 14PV111/01 | <u> </u> | | | | | | | | | | _ | | _ | | | |
| R687 R688 R701 R702 R703 R704 R750 R751 R752 R753 R754 R755 R756 R756 R757 R758 R756 R760 R761 R762 R763 R766 R767 R768 R777 R778 R778 R777 R778 R777 R778 R777 R778 R779 R778 R778 | | CARBON RES. 1/6W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R688 R701 R702 R703 R704 R750 R751 R752 R753 R754 R755 R756 R757 R758 R757 R758 R759 R760 R761 R762 R763 R766 R767 R768 R777 R778 R778 R779 R778 R779 R779 R77 | | METAL OXIDE FILM RES. 2W J 2.2 OHM CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | + | 1 | 1 | 1 | 1 |
| R702 R703 R704 R750 R751 R752 R753 R754 R755 R756 R757 R758 R758 R760 R761 R762 R763 R766 R767 R768 R770 R771 R772 R777 R778 R777 R778 R779 R778 R779 R778 R779 R778 R779 R780 R779 R779 R780 R779 R779 R780 R779 R779 R780 R779 R790 R791 R792 R793 R790 R791 R792 R793 R794 R795 R799 R799 R799 R799 R799 R799 R799 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | <u> </u> | 1 | 1 | 1 | 1 | 1 | 1 |
| R703 R704 R750 R751 R752 R753 R754 R755 R756 R757 R758 R759 R760 R761 R762 R763 R766 R767 R768 R770 R771 R772 R777 R778 R777 R778 R779 R779 R779 R780 R780 R780 R791 R792 R780 R789 R790 R791 R792 R793 R794 R795 R795 R799 R796 R799 R799 R799 R799 R799 R799 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R704 R750 R751 R752 R753 R754 R755 R756 R757 R758 R756 R757 R758 R760 R761 R762 R763 R766 R767 R768 R770 R771 R772 R777 R775 R777 R777 R777 R777 R777 | | CARBON RES. 1/4W J 100K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R750 R751 R752 R753 R754 R755 R756 R757 R758 R759 R760 R761 R762 R763 R766 R767 R768 R777 R778 R778 R777 R778 R777 R778 R779 R777 R778 R778 | | CARBON RES. 1/6W J 75 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R751 R752 R753 R754 R755 R756 R756 R757 R758 R759 R760 R761 R762 R763 R766 R767 R768 R777 R778 R778 R777 R778 R779 R780 R771 R777 R778 R779 R780 R779 R780 R790 R791 R790 R791 R792 R793 R790 R791 R792 R793 R794 R795 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | PCB JUMPER D0.6-P5.0 CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | <u>1</u> 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R752 R753 R754 R755 R756 R756 R757 R758 R759 R760 R761 R762 R763 R766 R767 R768 R770 R771 R772 R774 R777 R778 R779 R780 R779 R780 R779 R780 R790 R791 R790 R791 R792 R793 R790 R791 R792 R793 R794 R795 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - | 1 | 1 | 1 | 1 | 1 | 1 |
| R754 R755 R756 R757 R758 R759 R760 R761 R762 R763 R766 R767 R768 R770 R771 R772 R771 R772 R774 R775 R779 R780 R779 R780 R780 R787 R789 R780 R789 R790 R791 R792 R793 R792 R793 R794 R795 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/4W J 100K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R755 R756 R757 R758 R759 R760 R761 R762 R763 R766 R767 R768 R7770 R771 R771 R772 R777 R778 R777 R778 R779 R780 R780 R787 R788 R789 R780 R789 R790 R791 R792 R793 R794 R792 R793 R794 R795 R795 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R756 R757 R758 R759 R760 R761 R762 R763 R766 R767 R768 R770 R771 R772 R771 R772 R774 R775 R777 R778 R779 R780 R780 R780 R787 R788 R789 R780 R789 R790 R791 R792 R793 R794 R792 R793 R794 R795 R795 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R757 R758 R759 R760 R761 R762 R763 R766 R767 R768 R770 R771 R772 R771 R772 R777 R778 R779 R780 R780 R780 R787 R788 R789 R790 R791 R792 R793 R794 R795 R795 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/4W J 4.7K OHM PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R758 R759 R760 R761 R762 R763 R766 R767 R768 R770 R771 R772 R771 R772 R778 R777 R778 R779 R780 R780 R780 R787 R788 R789 R790 R791 R792 R793 R794 R792 R793 R794 R795 R799 R799 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | + | 1 | 1 | 1 | 1 | 1 | 1 |
| R760 R761 R762 R763 R766 R767 R768 R770 R771 R772 R774 R775 R777 R778 R777 R778 R779 R780 R780 R781 R790 R791 R792 R793 R794 R795 R795 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/6W J 75 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R761 R762 R763 R766 R767 R768 R770 R771 R772 R774 R775 R777 R778 R777 R778 R779 R780 R780 R781 R789 R790 R791 R792 R793 R794 R795 R796 R797 R798 R799 R799 R799 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/6W J 390 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R762 R763 R766 R767 R768 R770 R771 R772 R774 R775 R777 R778 R777 R778 R778 R779 R780 R780 R780 R789 R790 R791 R792 R793 R794 R795 R795 R796 R797 R798 R799 R801 R802 R803 R804 | | CARBON RES. 1/6W J 75 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R763 R766 R767 R768 R770 R771 R772 R774 R775 R777 R777 R777 R778 R779 R780 R780 R780 R781 R790 R780 R790 R791 R792 R793 R794 R795 R796 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R766 R767 R768 R770 R771 R772 R774 R775 R777 R778 R777 R778 R778 R779 R780 R780 R787 R789 R790 R791 R792 R792 R793 R794 R795 R795 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/4W J 3.3K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R767 R768 R770 R771 R772 R774 R775 R777 R778 R778 R779 R780 R787 R788 R789 R790 R791 R792 R792 R793 R794 R795 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/6W J 750 OHM CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R768 R770 R771 R772 R774 R775 R777 R778 R778 R779 R780 R780 R787 R788 R790 R791 R792 R792 R793 R794 R795 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/4W J 33K OHM | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | ; | 1 | 1 | 1 | 1 | 1 | 1 |
| R771 R772 R774 R775 R777 R778 R778 R779 R780 R780 R787 R788 R799 R790 R791 R792 R792 R793 R794 R795 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R772 R774 R775 R777 R778 R777 R778 R779 R780 R787 R788 R789 R790 R791 R792 R792 R793 R794 R795 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/4W J 1.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R774 R775 R777 R778 R777 R778 R779 R780 R780 R787 R788 R789 R790 R791 R792 R793 R794 R795 R796 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R775 R777 R778 R778 R779 R780 R780 R787 R788 R789 R790 R791 R792 R792 R793 R794 R795 R796 R797 R798 R799 R801 R801 R802 R803 R804 | | CARBON RES. 1/4W J 33K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R777 R778 R778 R779 R780 R780 R787 R788 R789 R790 R791 R792 R793 R794 R795 R795 R796 R797 R798 R799 R801 R802 R803 R804 | | CARBON RES. 1/4W J 1.8K OHM PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R778 R779 R780 R780 R787 R788 R789 R790 R791 R792 R793 R794 R795 R796 R797 R798 R799 R801 R802 R803 R804 | | CARBON RES. 1/4W J 1.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R779 R780 R787 R788 R789 R790 R791 R792 R793 R794 R795 R796 R797 R798 R799 R801 R802 R803 R804 | | PCB JUMPER D0.6-P5.0 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | ÷ | 1 | 1 | 1 | 1 | 1 | 1 |
| R787 R788 R789 R790 R791 R792 R793 R794 R795 R796 R799 R799 R801 R802 R803 R804 | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R788 R789 R790 R791 R792 R793 R794 R795 R796 R797 R798 R799 R801 R802 R803 R804 | | CARBON RES. 1/4W J 33K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R789 R790 R791 R792 R793 R794 R795 R796 R797 R798 R799 R801 R802 R803 R804 | | CARBON RES. 1/4W J 6.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R790 R791 R792 R793 R794 R795 R796 R797 R798 R799 R801 R802 R803 R804 | | CARBON RES. 1/4W J 6.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R791 R792 R793 R794 R795 R796 R797 R798 R799 R801 R802 R803 R804 | | CARBON RES. 1/4W J 6.2K OHM PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R792 R793 R794 R795 R796 R797 R798 R799 R801 R802 R803 R804 | | CARBON RES. 1/6W J 75 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R793 R794 R795 R796 R797 R798 R799 R801 R802 R803 R804 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R795 R796 R797 R798 R799 R801 R802 R803 R804 | | CARBON RES. 1/6W J 75 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R796 R797 R798 R799 R801 R802 R803 R804 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R797 R798 R799 R801 R802 R803 R804 | | CARBON RES. 1/6W J 75 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R798 R799 R801 R802 R803 R804 | | PCB JUMPER D0.6-P5.0 CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R799 R801 R802 R803 R804 | | CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R802 R803 R804 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | <u> </u> | 1 | 1 | 1 | 1 | 1 | 1 |
| R803 R804 | | FIXED METAL OXIDE FILM RES. 1W J 12 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R804 | | CARBON RES. 1/6W J 10 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| l——————— | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IIRANS I I | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| l——————— | | CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R806 | | CARBON RES. 1/6W J 47 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R807 R810 | | CARBON RES. 1/6W J 47 OHM PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R812 | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | <u> </u> | 1 | 1 | 1 | 1 | 1 | 1 |
| R814 | | CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R815 | | CARBON RES. 1/4W J 470K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R816 | | CARBON RES. 1/6W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R817 | | CARBON RES. 1/6W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R818 | | CARBON RES. 1/6W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R819 R820 | | CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | ELECTRICA | L PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|----------------|------------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | ▲ 12 NC | Description | 1 4 | 14 | 4 | 4 | 4 | 4 | 4 | <u></u> | 4 | 4 | 14 | 14 | 14 | 14 | 14 | 4 | 4 |
| R821 | i i | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R822 | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R823 | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R824 | | CARBON RES. 1/6W J 75 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R825 | | CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R826 R828 | ++ | CARBON RES. 1/4W J 22K OHM CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R829 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R830 | | CARBON RES. 1/4W J 220K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R831 | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R834 | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R835 | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R836 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R851 | | CARBON RES. 1/4W J 5.6K OHM CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R852 R853 | ++ | CARBON RES. 1/4W J 22K OHM CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R854 | + + | CARBON RES. 1/6W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R855 | | CARBON RES. 1/6W J 820 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R856 | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R857 | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R859 | | CARBON RES. 1/6W J 680 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R860 | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R861 | | CARBON RES. 1/6W J 120 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R862 R863 | | CARBON RES. 1/4W J 330K OHM CARBON RES. 1/4W J 12K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R864 | | CARBON RES. 1/4W J 1.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R865 | | CARBON RES. 1/4W J 12K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R866 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R867 | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R868 | | CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R871 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R872 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R874 R875 | | CARBON RES. 1/4W J 1.2K OHM PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R876 | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R877 | | CARBON RES. 1/4W J 12K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R878 | | CARBON RES. 1/4W J 1M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R879 | | CARBON RES. 1/6W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| RS201 | 9965 000 10857 | REMOTE RECEIVER MIM-93M6DKF | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 014004 | 1 0005 000 44000 | SWITCHES | <u> </u> | | | <u> </u> | _ | | <u> </u> | <u> </u> | | <u> </u> | | | 4 | _ | | 4 | |
| SW201 SW202 | | TACT SWITCH SKQNAED010 TACT SWITCH SKQNAED010 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW202 | + + | TACT SWITCH SKQNAED010 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW204 | -1 -1 | TACT SWITCH SKQNAED010 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW205 | | TACT SWITCH SKQNAED010 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW206 | 9965 000 14390 | TACT SWITCH SKQNAED010 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW207 | 9965 000 14390 | TACT SWITCH SKQNAED010 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW208 | 9965 000 14390 | TACT SWITCH SKQNAED010 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW209 | | TACT SWITCH SKQNAED010 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW210 | 9965 000 14390 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW211 SW212 | | ROTARY MODE SWITCH SSS-43MD | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 211212 | 9900 000 00001 | MISCELLANEOUS | <u>'</u> | ' ' | | | | | | | | | | | • | - 1 | | | ╝ |
| ТВ3 | 9965 000 13865 | HEAD SHIELD T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB7 | + + | LED HOLDER T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB21 | 9965 000 08566 | BUSH, LED(F) H3700UD | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB31 | 9965 000 13867 | HEAD SHIELD COVER T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB3-1 | | HEAD SHIELD T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB3-2 | 9965 000 13870 | EARTH PLATE S T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP001 TP002 | ++ | PCB JUMPER D0.6-P12.5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP002 | ++ | PCB JUMPER D0.6-P10.0 PCB JUMPER D0.6-P12.5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP003 | | PCB JUMPER D0.6-P10.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP006 | + + | PCB JUMPER D0.6-P10.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | E | LECTRICA | L PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|--------------|----------|----------------|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | A | 12 NC | Description | 14 | 4 | 4 | 4 | 4 | 14 | 4 | 14 | 4 | 14 | 14F | 14 | 14 | 4 | 4 | 14 | 4 |
| TP007 | Ħ | | PCB JUMPER D0.6-P10.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| X201 | | 9965 000 09200 | X'TAL 32.768KHZ(20PPM) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| X202 | | 9965 000 12194 | X'TAL 12.000MHZ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| X301 | + | | X'TAL 4.433619MHZ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| X401 | | 9965 000 05629 | X'TAL 4.433619MHZ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Z 7 | | | SCOTCH TAPE 10X15 T5100UA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8000 | | 3143 021 00031 | EARTH CABLE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5000 | | 3143 021 00011 | COIL DEGAUS FUNAI | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8016 | | 2422 070 98218 | MAINSCORD UK 5A 1M8 BK B | | | | | 1 | 1 | 1 | 1 | 1 | - | | | | | | | |
| 8016 | | 2422 070 98211 | MAINSCORD EUR 2A5 1M7 BK B | 1 | 1 | 1 | 1 | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1006 | | 2422 542 90134 | TUN IF V+U PLL IEC BGDKIL B | | | | | | | | | | 1 | 1 | 1 | 1 | | | | |
| 1006 | | 2422 542 90131 | TUN IF V+U PLL IEC BGDKI B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | 1 | 1 | 1 |
| | • | | JUNCTION A CBA | | • | | • | • | | • | | • | | | | | | | | |
| CN603 | | 9965 000 13871 | CONNECTOR, 15P TUC-P15X-B1 JUNCTION B CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN302 | | 9965 000 13872 | CONNECTOR, 7P TUC-P07X-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | JUNCTION C CBA | | • | | • | • | | • | | • | | | | | | | | \exists |
| CN301 | | 9965 000 05261 | CONNECTOR 4P TUC-P04X-B1 SENSOR CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q201 | | 9965 000 08630 | PHOTO TRANSISTOR PT204-6B-12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q202 | 1 | | PHOTO TRANSISTOR PT204-6B-12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 | | POWER CBA | | | | | | | | | | | | | | | | | |
| | | | Consists of the following | | | | | | | | | | | | | | | | | |
| | | | H.V./POWER SUPPLY CBA | | | | | | | | | | | | | | | | | |
| | | | CRT CBA | | | | | | | | | | | | | | | | | |
| | | | JUNCTION D CBA | | | | | | | | | | | | | | | | | |
| | | | JUNCTION E CBA | | | | | | | | | | | | | | | | | |
| | | | H.V./POWER SUPPLY CBA | | | | | | | | | | | | | | | | | |
| | | | COILS | | | | | | | | | | | | | | | | | |
| BC571 | | 9965 000 13874 | BEAD INDUCTORS FBA04HA600VB-00 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| BC602 | | 9965 000 13875 | BEAD INDUCTORS FBR07HA121TB-00 | ٢ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| BC603 | | 9965 000 13875 | BEAD INDUCTORS FBR07HA121TB-00 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| BC604 | | 9965 000 13875 | BEAD INDUCTORS FBR07HA121TB-00 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| BC605 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| BC606 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | CAPACITORS | | | | | | | | | | | | | | | | | |
| C552 | | | FILM CAP.(P) 0.047UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C553 | | | ELECTROLYTIC CAP. 2.2UF/50V M LL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C555 | | | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C556 | | | ELECTROLYTIC CAP. 1000UF/25V M | 1 | 1 | | | | | | 1 | | 1 | 1 | | | | | 1 | 1 |
| C558 | | | CERAMIC CAP.(AX) B K 0.01UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C559 | | | ELECTROLYTIC CAP. 330UF/35V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C562 | - | | ELECTROLYTIC CAP. 10UF/160V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C571 | - | | P.P. CAP 0.18UF/200V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C572 C574 | + | | P.P. CAP 0.15UF/200V J ELECTROLYTIC CAP. 4.7UF/250V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C574 C577 | + | | | _ | 1 | 1 | _ | _ | 1 | 1 | | _ | _ | 1 | _ | 1 | 1 | 1 | 1 | 1 |
| C577 | + | | FILM CAP.(P) 0.01UF/50V J ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C578 | + | | P.P. CAP 0.0082UF/1.6K J | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C581 | + | | CERAMIC CAP. BN 680PF/2KV | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C584 | + | | ELECTROLYTIC CAP. 1UF/160V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C591 | + | | ELECTROLYTIC CAP. 10F/160V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C592 | + | | ELECTROLYTIC CAP. 10F/30V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C604 | 4 | 9965 000 14279 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C607 | <u> </u> | | METALLIZED FILM CAP. 0.1UF/250V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C608 | <u>A</u> | | METALLIZED FILM CAP. 0.10F/250V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C609 | T | 2000 000 17400 | CERAMIC CAP. F Z 0.01UF/500V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C610 | + | | CERAMIC CAP. F Z 0.01UF/500V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C611 | 1 | | CERAMIC CAP. F Z 0.01UF/500V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C612 | 1 | | CERAMIC CAP. F Z 0.01UF/500V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C613 | 1 | | ELECTROLYTIC CAP. 100UF/400V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C614 | + | | FILM CAP.(P) 0.082UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C615 | + | | CERAMIC CAP. BN J 220PF/2KV | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C616 | \vdash | | FILM CAP.(P) 0.001UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0010 | | | | | <u> </u> | | டட் | Ц. | | | | | | ш | | _ ' | - 1 | 1 | | |

| | ELECTRICA | AL PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|--------------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | ▲ 12 NC | Description | 14 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 14 | 14 | 14 | 14 | 4 | 4 | 14 |
| C618 | | FILM CAP.(P) 0.047UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C621 | | CERAMIC CAP. BN 680PF/2KV | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C623 | | ELECTROLYTIC CAP. 470UF/35V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C624 | | ELECTROLYTIC CAP. 1000UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C625 | | ELECTROLYTIC CAP. 470UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C628 | | ELECTROLYTIC CAP. 100UF/160V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C629 | | CERAMIC CAP.(AX) B K 0.01UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C630 | | ELECTROLYTIC CAP. 470UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C631 C632 | + + | ELECTROLYTIC CAP. 1000UF/16V M ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C639 | | CERAMIC CAP.(AX) SL J 68PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C641 | | ELECTROLYTIC CAP. 4.7UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C647 | | ELECTROLYTIC CAP. 100UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C648 | | ELECTROLYTIC CAP. 100UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C649 | | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C654 | | CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C655 | | ELECTROLYTIC CAP. 220UF/6.3V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C666 | | ELECTROLYTIC CAP. 470UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | CONNECTORS | | | | | | | | | | | | | | | | | |
| CN571 | 9965 000 13876 | CONNECTOR BASE, 5P TV-50P-05-V3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN601 | 9965 000 13877 | CONNECTOR BASE, 2P TV-50P-02-V3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN602 | 9965 000 13878 | CONNECTOR BASE 15P TUC-P15P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 1 | DIODES | | | | | | | | | | | | | | | | | |
| D552 | 9965 000 13847 | DIODE 1N5397-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D571 | 9965 000 13879 | DIODE FR154 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D572 | 9965 000 13880 | DIODE FR104-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D573 D584 | 4822 130 32778 | PCB JUMPER D0.6-P5.0 SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D585 | 9965 000 12904 | ZENER DIODE DZ-5.1BSBT265 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D591 | 9965 000 13881 | ZENER DIODE DZ-3. 183B 1263 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D593 | 3300 000 10001 | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | + | 1 | 1 | 1 | 1 | 1 | 1 |
| D595 | 9965 000 13882 | ZENER DIODE MTZJT-7718B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D596 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D597 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D598 | 9965 000 13880 | DIODE FR104-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D603 | 9965 000 13883 | DIODE 1N5399-B/P | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D604 | 9965 000 13883 | DIODE 1N5399-B/P | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D605 | 9965 000 13883 | DIODE 1N5399-B/P | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D606 | 9965 000 13883 | DIODE 1N5399-B/P | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D608 | | ZENER DIODE MTZJT-7720C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ | 1 | | | | _ | 1 | 1 |
| D609 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D613 | | ZENER DIODE MTZJT-775.6B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D614 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D621 | | FAST RECOVERY DIODE CA201-4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D622 D623 | 9965 000 13886 | DIODE FR104-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D623 | | SCHOTTKY BARRIER DIODE ERB81-004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D625 | | SCHOTTKY BARRIER DIODE 11EQS04 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D626 | | RECTIFIER DIODE FR202 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D627 | | SCHOTTKY BARRIER DIODE 11EQS04 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D629 | + | DIODE FR104-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D631 | | ZENER DIODE MTZJT-776.8B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D632 | + | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D634 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D635 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D636 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D637 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D638 | | ZENER DIODE MTZJT-7716B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D639 | + | ZENER DIODE MTZJT-7733C | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D640 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D641 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D643 | | ZENER DIODE MTZJT-776.8A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D644 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | | 1 | - | 1 | 1 |
| D645 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | | AL PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|--------------|----------------------------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|------------|------------|------------|
| Pos. | <u></u> 12 NC | Description | 14 | 14 | 7 | 14 | 14 | 1 | 14 | 14 | 14 | 14 | 14 | 14 | 1 | 7 | 14 | 7 | 1 |
| D646 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D647 | | . , , | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D648 | + + | ZENER DIODE MTZJT-778.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D649 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D650 D651 | | ZENER DIODE MTZJT-7724B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| F601 | | SWITCHING DIODE 1SS133(T-77) FUSE 4A/250V 215004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| FH601 | | FUSE HOLDER MSF-015 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| FH602 | | FUSE HOLDER MSF-015 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | : | 1 | 1 | 1 |
| 111002 | 1022 200 10 10 1 | IC's | <u> </u> | • | | • | • | • | | • | | | • | • 1 | • ! | • | | | -1 |
| IC551 | 9965 000 13891 | VERTICAL OUTPUT IC AN5522 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC601 | ▲ 9965 000 13892 | PHOTO COUPLER LTV817MBF | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | COILS | | | | | | | | | | | | | | | | | |
| L572 | 9965 000 13893 | INDUCTOR 100UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L601 | | LINE FILTER ELF15N007A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L602 | 9965 000 13894 | LINE FILTER ELF15N007A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L603 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L604 | 0005 000 05007 | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L605 | 9965 000 05627 9965 000 13895 | CHOKE COIL 47UH-K POWER PCB HOLDER T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PB1 PB4 | | 13V H/V HEAT SINK(PDX) T5100UA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PB4 | 9900 000 13023 | 13VPOW HEAT SINK | <u> </u> | - | | - | _ | | ' | | ' | ' | | - | - | | _ | | _ |
| PB5 | 9965 000 13824 | PFD ASSEMBLY T5200UA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PL1 | 9965 000 08646 | SCREW. P-TIGHT 3X12 WASHER HEAD+ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PL2 | 9965 000 12171 | SCREW, B-TIGHT M3X8 BIND HEAD+ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PS602 | 9965 000 13896 | THERMISTOR ZPB31BL9R0A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 1 2000 200 .0000 | TRANSISTORS | - | | - | | | - | - | | | | | | | | | | 一 |
| Q571 | 9965 000 13897 | TRANSISTOR TT2084LS-YB11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q572 | 9965 000 13899 | TRANSISTOR 2SC1627Y-TPE2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q591 | 9965 000 05643 | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q601 | 9965 000 13901 | MOS FET 2SK2647 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q602 | 4822 130 42292 | TRANSISTOR 2SC2120-Y(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q611 | 9965 000 05643 | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q612 | 9965 000 05643 | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q613 | 9965 000 13900 | TRANSISTOR 2SA950(O) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q614 Q616 | 9965 000 05643 4822 130 42292 | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q617 | 4822 130 42292 | TRANSISTOR 2SC2120-Y(TPE2) TRANSISTOR 2SC2120-Y(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q619 | 4822 130 10145 | RES. BUILT-IN TRANSISTOR KRA103M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | † | 1 | 1 | 1 |
| 4010 | 4022 100 10140 | RESISTORS | <u> </u> | | <u> </u> | | • | • | <u> </u> | | <u> </u> | | • | | • 1 | • | | | ᅴ |
| R551 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R552 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R556 | | CARBON RES. 1/4W J 4.7 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R557 | | CARBON RES. 1/4W J 270 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R558 | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R559 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R560 | | CARBON RES. 1/4W J 3.9K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R561 | | CARBON RES. 1/4W J 8.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R562 | 1 | CARBON RES. 1/4W J 5.6 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R563 | | CARBON RES. 1/4W J 5.6 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R565 R566 | + + | CARBON RES. 1/4W J 3.9 OHM CARBON RES. 1/4W J 3.9 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R567 | | CARBON RES. 1/4W J 3.9 OHM CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R570 | ++ | CARBON RES. 1/4W J 3.9 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R573 | | CARBON RES. 1/4W J 470 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | ' | 1 | 1 | 1 |
| R574 | 1 | METAL OXIDE FILM RES. 2W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R575 | | METAL OXIDE FILM RES. 2W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R576 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R577 | | CARBON RES. 1/4W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R578 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R579 | | METAL OXIDE FILM RES. 2W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R581 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R583 | | METAL OXIDE FILM RES. 1W J 1.8 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R584 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 |

| | ELECTRICA | AL PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|--------------|--|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | △ 12 NC | Description | 1 | 14 | 4 | 14 | 4 | 4 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 4 | 14 |
| R585 | | CARBON RES. 1/4W J 8.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R586 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R587 | | CARBON RES. 1/4W J 100K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R588 | | CARBON RES. 1/4W J 100K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R590 R591 | | METAL OXIDE FILM RES. 2W J 100 OHM CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R592 | ++ | CARBON RES. 1/4W J 180K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R593 | | CARBON RES. 1/4W J 56K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R594 | | CARBON RES. 1/4W J 56K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R595 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R596 | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R597 | | CARBON RES. 1/4W J 8.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R598 | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R599 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R601 | 4) 0005 000 44077 | ANTI-SURGE RESISTOR 1/2W J 3.3M OHM CEMENT RESISTOR 5W 1.8 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R602 R603 | ♣ 9965 000 14277 ♣ 9965 000 14278 | CEMENT RESISTOR SW 1.8 OHM CEMENT RES. 5W K 0.68 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R604 | 3900 000 14270 | CARBON RES. 1/4W J 22 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R605 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R606 | | CARBON RES. 1/4W J 1.5M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R607 | | CARBON RES. 1/4W J 1.5M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R609 | | CARBON RES. 1/4W J 1.5M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R611 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R612 | | CARBON RES. 1/4W J 470K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R613 | | CARBON RES. 1/4W J 180 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R614 | | CARBON RES. 1/4W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R617 R618 | | CARBON RES. 1/4W J 1K OHM CARBON RES. 1/4W J 56 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R620 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R621 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R625 | | CARBON RES. 1/4W J 180 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R626 | | CARBON RES. 1/4W 2.2 OHM J | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R628 | | CARBON RES. 1/4W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R629 | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R630 | | CARBON RES. 1/4W J 33K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R631 R632 | | CARBON RES. 1/4W J 39K OHM CARBON RES. 1/4W J 39K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R633 | | CARBON RES. 1/4W J 19K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R634 | | CARBON RES. 1/4W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R635 | | CARBON RES. 1/4W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | | | 1 | 1 |
| R636 | | CARBON RES. 1/4W J 6.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R637 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R638 | | CARBON RES. 1/4W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R639 | | CARBON RES. 1/4W J 270 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R640 | | CEMENT RES. 5W K 3.3K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R641 | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R642 R643 | | CARBON RES. 1/4W J 2.7K OHM CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R644 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R645 | + + | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R646 | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R647 | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R648 | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R649 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R650 | | CARBON RES. 1/4W J 56K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R651 | | METAL OXIDE FILM RES. 2W J 680 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R652 | ++ | CARBON RES. 1/4W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R659 R660 | | CARBON RES. 1/4W J 15 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R662 | | CARBON RES. 1/4W J 390 OHM CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R663 | ++ | METAL OXIDE FILM RES. 2W J 33 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R664 | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R668 | | CARBON RES. 1/4W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 |
| R669 | 1 1 | ANTI-SURGE RESISTOR 1/2W J 3.3M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | E | LECTRICA | L PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|---------------|-----------------|----------------------------------|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | 4 | 12 NC | Description | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 4 | 4 | 14 |
| R670 | Ш | | ANTI-SURGE RESISTOR 1/2W J 3.3M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0.4.004 | LAI | 0005 000 40000 | MISCELLANEOUS | 4 | 1 4 | - | 4 | 1 4 | - | 1 4 | 4 | 4 | 4 | 4 | - | 4 | 4 | | _ | |
| SA601 | A | 9965 000 13898 9965 000 13902 | SURGE ABSORBER PVR-07D471KB | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW601 T571 | - | 9965 000 13902 | POWER SWITCH SDKVA30100 FLYBACK TRANS BSC21-2016S | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| T572 | | 9965 000 13903 | HORIZONTAL DRIVE TRANS LP2-005 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| T601 | 4 | 9965 000 13905 | SWITCHING TRANS 17711-S03 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TM601 | A | 3303 000 13303 | TAB 42018 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TM602 | <u>A</u> | | TAB 42018 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP501 | | | PCB JUMPER D0.6-P15.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP502 | t | | PCB JUMPER D0.6-P10.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP503 | | | PCB JUMPER D0.6-P7.5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP504 | | | PCB JUMPER D0.6-P10.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| VR601 | | 9965 000 13906 | CARBON P.O.T. 10K OHM B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1100 | | | CRT A34EAC01X71 (PHCO) B | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | CRT CBA | | | | | | | | | | | | | | | | | |
| | | | CAPACITORS | | | | | | | | | | | | | | | | | |
| C501 | | | CERAMIC CAP.(AX) B K 220PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C502 | Ш | | CERAMIC CAP.(AX) B K 220PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C503 | | | CERAMIC CAP.(AX) B K 220PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C507 | | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C510 | | 9965 000 13909 | CERAMIC CAP. B K 1000PF/2KV | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | CONNECTORS | | 1 . | | | | | | | | | | | | 1 | | | |
| CL501A | | | LEAD WIRE 3P/280 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN501 | | 9965 000 13911 | PIN CONNECTOR 005P-5100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN503 | | 9965 000 13912 | CONNECTOR BASE, 7P TUC-P07P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN504 | \vdash | 9965 000 05247 | CONNECTOR BASE 4P TUC-P04P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| JK501 L501 | 1 | 9965 000 13913 | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L505 | | 9965 000 05627 | CHOKE COIL 47UH-K | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L303 | | 9900 000 00027 | TRANSISTORS | ' | <u> </u> | <u> </u> | | ! | • | | • | | ' | ' | ! | | با_ | <u> </u> | | <u>'</u> |
| Q501 | | 4822 130 60578 | TRANSISTOR 2SC2482 TPE6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q502 | 1 1 | 4822 130 60578 | TRANSISTOR 2SC2482 TPE6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q503 | | 4822 130 60578 | TRANSISTOR 2SC2482 TPE6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4,555 | 1 1 | 1022 100 00070 | RESISTORS | | | | | | | | | | | | | | | | | |
| R501 | | | METAL OXIDE FILM RES. 1W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R502 | | | METAL OXIDE FILM RES. 1W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R503 | | | METAL OXIDE FILM RES. 1W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R504 | | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R505 | | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R506 | | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R507 | | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R508 | | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - |
| R509 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - |
| R510 | \sqcup | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R511 | $\vdash \vdash$ | | CARBON RES. 1/4W J 120K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R512 | $\vdash \vdash$ | | CARBON RES. 1/4W J 120K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R513 | $\vdash \vdash$ | | CARBON RES. 1/4W J 120K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - |
| R514 | $\vdash \vdash$ | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R515 | H | | PCB JUMPER D0.6-P5.0 CARBON RES. 1/4W J 15 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R516 R517 | \vdash | | CARBON RES. 1/4W J 15 OHM CARBON RES. 1/4W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R517 R518 | \vdash | | CARBON RES. 1/4W J 560 OHM CARBON RES. 1/4W J 15 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| R519 | H | | CARBON RES. 1/4W J 15 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - |
| R520 | H | | CARBON RES. 1/4W J 15 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - |
| R521 | H | | CARBON RES. 1/4W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ |
| - | <u> </u> | | JUNCTION D CBA | | <u> </u> | <u> </u> | | <u> </u> | | <u> </u> | | • | • | | <u> </u> | | | | | |
| CN505 | | 9965 000 05261 | CONNECTOR 4P TUC-P04X-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CL505A | П | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _ |
| | | | JUNCTION E CBA | | | | | | | | | | | | | | | | | |
| CN506 | | 9965 000 05261 | CONNECTOR 4P TUC-P04X-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CL506 | | 9965 000 13915 | WIRE 240/BRO/AWG18#1007 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| OLUUU | _ | | | | | | | | | | | | | | | | | | | |

| | ELECTRICA | AL PARTS LIST | 14PV111/01 | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 |
|--------------|--|--|--|------------|------------|------------|------------|------------|------------|------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | △ 12 NC | Description | 4 | 14P | 44 | 14P | 14P | 14P | 14P | 14P | 4 | 14P | 14P | 14P | 14P | 44 | 14P | 14P | 4 |
| C901 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C902 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C904 | | CERAMIC CAP.(AX) B K 100PF/50V | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C905 | | STACKED FILM CAP. 0.47UF/50V J | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C906 | | ELECTROLYTIC CAP. 22UF/16V M | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C908 | | CERAMIC CAP. (AX) F Z 0.1UF/50V | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | _ | 1 |
| C909 C910 | | CERAMIC CAP.(AX) F Z 0.10F/50V | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C911 | | ELECTROLYTIC CAP. 10UF/50V M | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C912 | | CERAMIC CAP.(AX) B K 330PF/50V | | 1 | | 1 | | | 1 | | - | | 1 | | 1 | | 1 | | 1 |
| C914 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C915 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C916 | | CERAMIC CAP.(AX) Y N 0.022UF/6V | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C917 | | CERAMIC CAP.(AX) SL J 33PF/50V | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C918 | | CERAMIC CAP.(AX) SL J 33PF/50V | <u> </u> | 1 | | 1 | | | 1 | | 1 | Щ | 1 | | 1 | | 1 | | 1 |
| C919 | | CERAMIC CAP (AX) F Z 0.1UF/50V | <u> </u> | 1 | | 1 | | | 1 | \vdash | 1 | | 1 | | 1 | | 1 | | 1 |
| C920 C921 | ++ | CERAMIC CAP.(AX) Y N 0.022UF/6V CERAMIC CAP.(AX) Y M 0.01UF/16V | | 1 | | 1 | | | 1 | \vdash | 1 | | 1 | | 1 | | 1 | _ | 1 |
| C922 | | ELECTROLYTIC CAP. 10UF/50V M | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C923 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | | 1 | | 1 | | | 1 | | † | | 1 | | 1 | | 1 | | 1 |
| C924 | | ELECTROLYTIC CAP. 10UF/50V M | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C925 | | ELECTROLYTIC CAP. 100UF/10V M | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C926 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C927 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C928 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| C929 C930 | | ELECTROLYTIC CAP. 100UF/10V M CERAMIC CAP.(AX) Y M 0.01UF/16V | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | _ | 1 |
| C930 | | CONNECTORS | | ' | | 1 | | | ' | | <u>'</u> | | 1 | | | | | | 끡 |
| CN901 | 9965 000 13916 | CONNECTOR 8P TUC-P08X-B1 | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| CN902 | 9965 000 13917 | CONNECTOR, 6P TUC-P06X-B1 | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| D901 | | PCB JUMPER D0.6-P5.0 | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| D902 | | PCB JUMPER D0.6-P5.0 | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| D903 | | PCB JUMPER D0.6-P5.0 | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| D904 | | PCB JUMPER D0.6-P5.0 | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| D000 | 4000 400 00770 | DIODES | 1 | - | | | | | - | | _ | 1 1 | - | 1 | 4 | | | | |
| D908 D909 | | SWITCHING DIODE 1SS133(T-77) ZENER DIODE MTZJT-773.9B | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| D909 D910 | | SWITCHING DIODE 1SS133(T-77) | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| D911 | | SWITCHING DIODE 1SS133(T-77) | | 1 | | 1 | | | 1 | | | | 1 | | 1 | | 1 | | 1 |
| D912 | | ZENER DIODE MTZJT-776.8B | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| | | IC's | | | | | | | | | | | | | | | | | |
| IC901 | 9965 000 13918 | IC:TEXT 1PAGE ET-TVT031A | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| IC902 | 9965 000 13851 | VOLTAGE REGULATOR KIA7805API | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| 0004 | 1 0005 000 05040 | TRANSISTORS | 1 | | 1 | | | | _ | | | 1 1 | - | 1 | | 1 | | | الم |
| Q901 | + + | TRANSISTOR 2SC2785(F) | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | _ | 1 |
| Q903 Q904 | | TRANSISTOR 2SC2120-Y(TPE2) TRANSISTOR 2SC2785(F) | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| Q307 | 3300 000 00043 | RESISTORS | <u> </u> | | | • | | | • | L! | | | | <u> </u> | • | | | | ⊣ |
| R901 | | CARBON RES. 1/4W J 2.2K OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R902 | | CARBON RES. 1/4W J 2.2K OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R903 | | CARBON RES. 1/4W J 10K OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R904 | | CARBON RES. 1/4W J 220 OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R905 | | CARBON RES. 1/4W J 4.7K OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R906 | | CARBON RES. 1/4W J 12K OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R907 | | CARBON RES. 1/4W J 12K OHM | <u> </u> | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | _ | 1 |
| R908 R913 | ++ | CARBON RES. 1/4W J 12K OHM CARBON RES. 1/4W J 1.5K OHM | | 1 | | 1 | | | 1 | \vdash | 1 | | 1 | | 1 | | 1 | _ | 1 |
| R913 | + + | CARBON RES. 1/4W J 1.5K OHM CARBON RES. 1/4W J 100 OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R915 | | CARBON RES. 1/4W J 150 OHM | \vdash | 1 | | 1 | | | + | \vdash | | | 1 | | 1 | | 1 | _ | 1 |
| R916 | | PCB JUMPER D0.6-P5.0 | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R917 | | CARBON RES. 1/4W J 100 OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R919 | | PCB JUMPER D0.6-P5.0 | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R920 | | CARBON RES. 1/4W J 100K OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | 二 | 1 |
| R921 | | CARBON RES. 1/4W J 47 OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |

| ELECTRICAL PARTS LIST Pos. A 12 NC Description | | | 14PV111/01 | 4PV203/01 | 4PV415/01 | 4PV460/01 | 4PV111/07 | 4PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 | |
|---|---|----------------|------------------------------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| Pos. R922 | - | IZ NC | Description PCB JUMPER D0.6-P5.0 | | 4 | _ | 4 | _ | _ | 1 | | 4 | • | 4 | • | 1 | • | 1 | | ` |
| R923 | - | | PCB JUMPER D0.6-P5.0 | | - | | 1 | | | 1 | | 1 | | 1 | | - | | 1 | | ╣ |
| | _ | | | | ÷ | | L. | | | _ | | <u> </u> | | <u> </u> | | - | | - | | 븻 |
| R930 | | | CARBON RES. 1/4W J 100 OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R931 | | | CARBON RES. 1/4W J 150 OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R932 | | | CARBON RES. 1/4W J 15K OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R933 | | | CARBON RES. 1/4W J 15K OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R934 | | | CARBON RES. 1/4W J 15K OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R936 | | | CARBON RES. 1/4W J 220 OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R937 | | | CARBON RES. 1/4W J 22K OHM | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| R940 | | | PCB JUMPER D0.6-P5.0 | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| X901 | | 9965 000 13919 | X'TAL :13.875MHZ CSA-309 | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| PL2 | | 9965 000 12171 | SCREW, B-TIGHT M3X8 BIND HEAD+ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PL2 | | 9965 000 12171 | SCREW, B-TIGHT M3X8 BIND HEAD+ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

[14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

[14PV111/(01, 07, 58), 14PV112/(07, 39), 14PV203/(01, 07, 39, 58)]

PRODUCT SAFETY NOTE: Products marked with a ___

have special characteristics important to safety.

Before replacing any of these components, read carefully the product safety notice in this service manual.

Don't degrade the safety of the product through improper servicing.

*)Note:

Pos.1 consists of A1-1 A1-8

A1-3 A1-9

A1-4 A1-10 A1-5 L7

4PV460/58

A1-5 A1-7

14PV112/39 14PV203/39 14PV203/58 14PV415/58 14PV415/39 4PV460/39 4PV111/58 **MECHANICAL PARTS LIST** 14PV111/07 4PV112/07 14PV415/07 I4PV111/01 14PV203/01 14PV415/01 4PV460/01 14PV203/07 4PV460/07 Pos. Expl. View 12 NC Description 3143 027 60171 FRONT ASSY 14PV112/39 3143 027 60041 FRONT ASSY 14PV203/01/07/58 3143 027 60181 FRONT ASSY 14PV415/01/07/58 3143 027 60191 FRONT ASSY 14PV415/39 3143 027 60111 FRONT ASSY 14PV460/01/07/58 3143 027 60021 FRONT ASSY 14PV111/01/07/58 3143 027 60161 FRONT ASSY 14PV112/07 3143 027 60051 FRONT ASSY 14PV203/39 3143 027 60121 FRONT ASSY 14PV460/39 3143 027 50231 FRONT CAB PH01 LIGHT GREY 3143 027 50011 FRONT CAB (A) BL 80007 3143 027 50211 FRONT CAB (A) GR PH001 WORDMARK PHILIPS A1-3 A1-3 WORDMARK 14" 17" PLASTIC WORDMARK PHILIPS A1-3

| | MECHANICAL PARTS LIST | | | | | 14PV203/01 | 14PV415/01 | 14PV460/01 | 14PV111/07 | 14PV112/07 | 14PV203/07 | 14PV415/07 | 14PV460/07 | 14PV112/39 | 14PV203/39 | 14PV415/39 | 14PV460/39 | 14PV111/58 | 14PV203/58 | 14PV415/58 | 14PV460/58 |
|------|--------------------------------|---|----------------|-------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------|------------|
| Pos. | Pos. Expl. View | A | 12 NC | Description | 14PV111/01 | 14P\ | 14P\ |
| 71 | A12 | | 3143 027 50201 | POWER BUTTON PH004 | 1 | | | | 1 | | | | | | | | | 1 | | | |
| 1010 | consists of SP801/CL80 2 | | 3143 027 10091 | SPEAKER ASSY | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | B4 | | 4822 402 10174 | BRACKET ==>14" | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4 | B1 | | 3143 021 20031 | TENSION SPRING | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 30 | B3 | | | SCREENING | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 54 | B2 | | | SCREW ===>CRT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 57 | L8 | | | FLAT HEAD SCREW 4X18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 58 | TL1 | | | SHIELD PLATE SCREW M3X4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 60 | B13 | | | GROUND PLATE CRT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1B1 | | | | DECK ASSEMBLY | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB1 | | | | TRAY CHASSIS T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB2 | | | | TOP COVER T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB10 | | | 9965 000 13833 | RCA HOLDER T6300RA | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB23 | | | | BOTTOM PLATE T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TL1 | | | 9965 000 08646 | SCREW, P-TIGHT 3X12 WASHER HEAD+ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TL14 | | | 9965 000 12171 | SCREW, B-TIGHT M3X8 BIND HEAD+ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TL18 | | | 9965 000 13027 | SCREW, P-TIGHT M3X8 BIND HEAD+ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | PACKING | | | | | | | | | | | | | | | | | |
| 450 | S1 | | | BOX FOLDED 14PV11X | 1 | | | | 1 | 1 | | | | 1 | | | | 1 | | | |
| 450 | S1 | | | BOX FOLDED 14PV460 | | | | 1 | | | | | 1 | | | | 1 | | | | 1 |
| 450 | S1 | | | BOX FOLDED 14PV203 | | 1 | | | | | 1 | | | | 1 | | | | 1 | | |
| 450 | S1 | | | BOX FOLDED 14PV41X | | | 1 | | | | | 1 | | | | 1 | | | | 1 | |
| 451 | | | | TAPE S-ADH PP TP 0.038X75MM | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 452 | S6 | | | PE-PLATE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 453 | S2 | | | STYROFOAM TOP B | | | 1 | 1 | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| 453 | S2 | | | STYROFOAM TOP A | 1 | 1 | | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | |
| 454 | S3 | | | STYROFOAM BOTTOM A | 1 | 1 | | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | L |
| 454 | S3 | | | STYROFOAM BOTTOM B | 1 | | 1 | 1 | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| 455 | X1 | | | BAG (==>MAINS CORD) | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 150 | | | 3143 028 50061 | RC RT720/111 | | | 1 | | | 1 | | 1 | | 1 | | 1 | | | | 1 | |
| 150 | | | 3143 028 50021 | RC RT721/111 | | 1 | | 1 | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 |
| 150 | | | 3143 028 50011 | RC RT720/101 | | | | | 1 | | | | | | | | | 1 | | $ldsymbol{f eta}$ | |
| | | | | TEST TAPES | | | | | | | | | | | | | | | | | |
| 1 | | | 3143 023 20011 | TEST TAPE FL6K(S) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | | | 3143 023 20021 | TEST TAPE FL6NS8 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 | | | | TEST TAPE FSLT-120 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4 | | | 3143 023 20041 | TEST TAPE FL6M | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 930 | | | | TESTCASSETTE GROUP | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58), 14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

Before following the procedures described below, be sure to remove the deck assembly from the cabinet. (Refer to CABINET DISASSEMBLY INSTRUCTIONS.)

All the following procedures, including those for adjustment and replacement of parts, should be done in Eject mode; see the positions of [41] and [42] in Fig.DM1 on page 2-4-13. When reassembling, follow the steps in reverse order.

| - | | | | | REMOVAL | INSTALLATION |
|----------------------|----------------------|-------------------------------|---|----------|---|---------------------------------------|
| STEP /LOC. No. | START- ING No. | PART | | Fig. No. | REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER | ADJUSTMENT CONDITION |
| [1] | [1] | Guide Holder A | Т | DM3 | 2(S-1) | |
| [2] | [1] | Cassette Holder Assembly | Т | DM4 | | |
| [3] | [2] | Slider L | Т | DM5 | (S-2) | |
| [4] | [2] | Slider R | Т | DM5 | (S-3) | |
| [5] | [4] | Lock Lever | Т | DM5 | (S-4),*(P-1) | |
| [6] | [2] | C Plate | Т | DM5 | | |
| [7] | [7] | Cylinder Assembly | Т | DM1,DM6 | Desolder, 3(S-5) | |
| [8] | [8] | Loading Motor Assembly | Т | DM1,DM7 | Desolder, LDG Belt, 2(S-6) | |
| [9] | [9] | AC Head Assembly | Т | DM1,DM7 | (S-7) | |
| [10] | [2] | Tape Guide Assembly | Т | DM1,DM8 | *(P-2) | |
| [11] | [10] | Door Opener B | Т | DM1,DM8 | *(L-1),*(L-2) | |
| [12] | [11] | Pinch Arm (B) | Т | DM1,DM8 | *(P-3) | |
| [13] | [12] | Pinch Arm (A) Assembly | Т | DM1,DM8 | | |
| [14] | [14] | FE Head | Т | DM1,DM9 | (S-8) | |
| [15] | [15] | Prism | Т | DM1,DM9 | (S-9) | |
| [16] | [2] | Slider Shaft | Т | DM10 | (S-10),*(L-3) | |
| [17] | [16] | C Drive Lever L | Т | DM10 | | |
| [18] | [16] | C Drive Lever R | Т | DM10 | | |
| [19] | [7],[10] | Capstan Motor | В | DM2,DM11 | 3(S-11), Cap Belt | |
| [20] | [20] | Clutch Assembly | В | DM2,DM12 | (C-1) | |
| [21] | [20] | FF Arm | В | DM2,DM12 | | |
| [22] | [22] | Cam Holder F | В | DM2,DM13 | (C-2) | |
| [23] | [23] | Cam Gear (B) | В | DM2,DM13 | (C-3),*(P-4) | |
| [24] | [24] | Mode Gear | В | DM2,DM14 | (C-4) | |
| [25] | [20],[23], [24] | Mode Lever | В | DM2,DM14 | (C-5), *(L-4) | |
| [26] | [22] | Worm Holder | В | DM2,DM14 | (S-12) | |
| [27] | [26] | Pulley Assembly | В | DM2,DM14 | | |
| [28] | [25],[26] | Cam Gear (A) | В | DM2,DM14 | | |
| [29] | [25] | Idler Assembly | В | DM1,DM15 | *(L-5) | |
| [30] | [25] | BT Am | В | DM2,DM15 | *(P-5) | |
| [31] | [25] | Loading Arm S (B) Assembly | В | DM2,DM15 | | (+)Refer to Alignment Sec.Pg.2-4-9 |

2-4-11 T6310DA

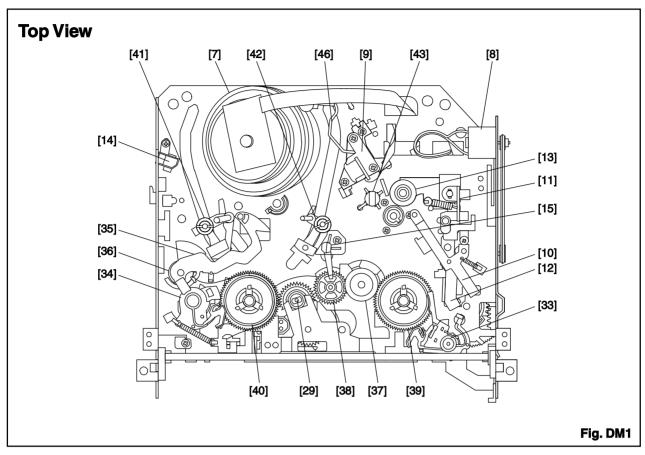
| CTED | CTADT | | | | REMOVAL | INSTALLATION |
|----------------------|----------------------|-------------------------------|-----|---|-------------------------|--|
| STEP /LOC. No. | START- ING No. | ING PART Fig. No. UNLOC | | REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER | ADJUSTMENT CONDITION | |
| [32] | [31] | Loading Arm T (B) Assembly | В | DM2,DM15 | | (+)Refer to Alignment Sec.Pg.2-4-9 |
| [33] | [2],[25] | M Brake T Assembly | Т | DM1,DM16 | *(P-6) | |
| [34] | [2],[25] | M Brake S Assembly | Т | DM1,DM16 | *(P-7) | |
| [35] | [34] | Tension Lever Sub Assembly | Т | DM1,DM16 | | |
| [36] | [35] | T Lever Holder | Т | DM1,DM16 | *(L-6) | |
| [37] | [33] | M Gear | Т | DM1,DM16 | (C-6) | |
| [38] | [2],[15] | Sensor Gear | Т | DM1,DM16 | (C-7) | |
| [39] | [33] | Reel T | Т | DM1,DM16 | | |
| [40] | [35] | Reel S | Т | DM1,DM16 | | |
| [41] | [31],[35] | Moving Guide S Preparation | Т | DM1,DM17 | | |
| [42] | [32] | Moving Guide T Preparation | Т | DM1,DM17 | | |
| [43] | [19] | TG Post Assembly | Т | DM1,DM17 | *(L-7) | |
| [44] | [19],[28] | Rack Assembly | R | DM18 | | (+)Refer to Alignment Sec.Pg.2-4-10 |
| [45] | [44] | F Door Opener | R | DM18 | *(P-8) | |
| [46] | [46] | Clooper Lover Assembly | Т | DM1 DM6 | | Type A |
| [46] | [46] | Cleaner Lever Assembly | ' | DM1,DM6 | *(L-8) | Type B |
| [47] | [46] | CL Post | T | DM6 | *(L-9) | Type A |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |

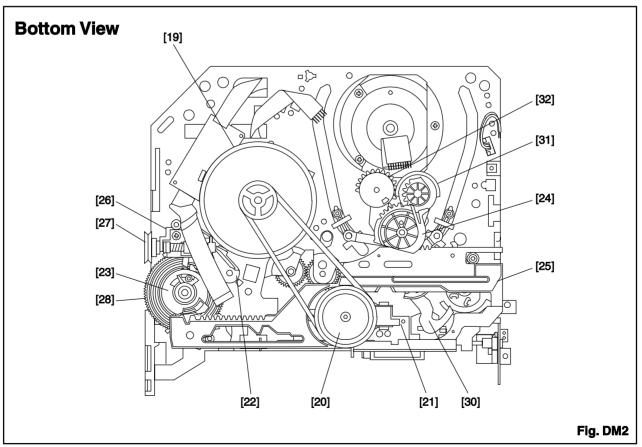
(1): Follow steps in sequence. When reassembling, follow the steps in reverse order.

These numbers are also used as identification (location) No. of parts in the figures.

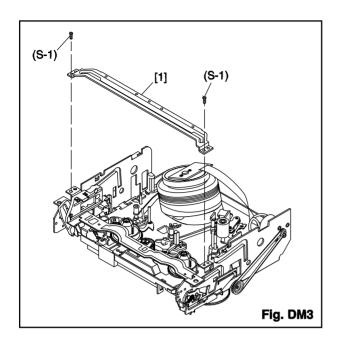
- (2): Indicates the part to start disassembling with in order to disassemble the part in column (1).
- (3): Name of the part
- (4): Location of the part: T=Top B=Bottom R=Right L=Left
- (5): Figure Number
- (6): Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered. P=Spring, W=Washer, C=Cut Washer, S=Screw, *=Unhook, Unlock, Release, Unplug, or Desolder e.g., 2(L-2) = two Locking Tabs (L-2).
- (7): Adjustment Information for Installation
 - (+):Refer to Deck Exploded Views for lubrication.

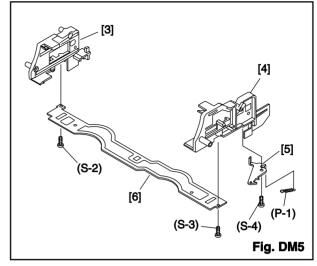
2-4-12 T6310DA

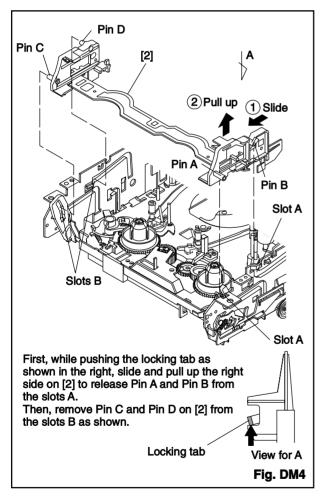


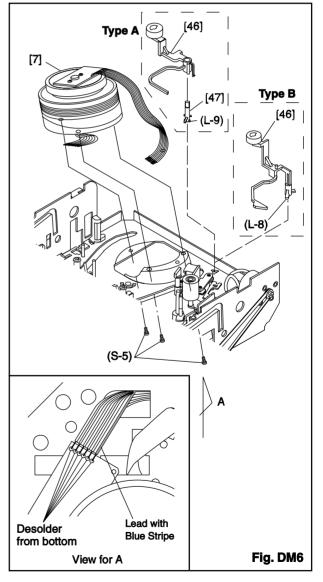


2-4-13 T6310DA

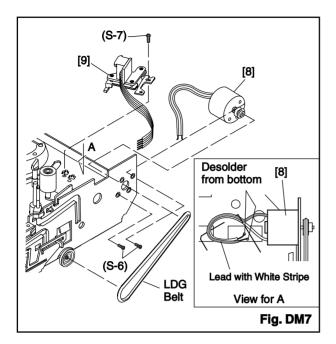


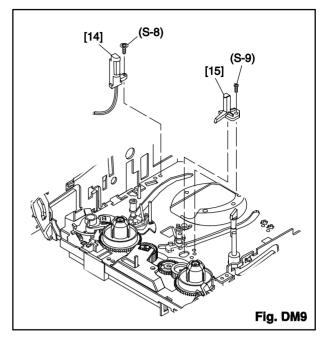


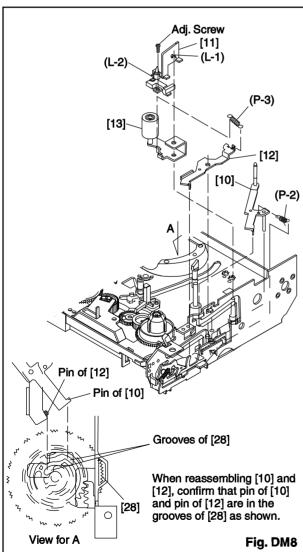


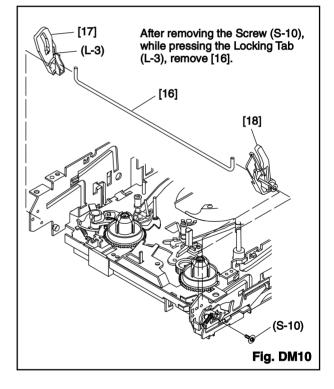


2-4-14 T6310DA

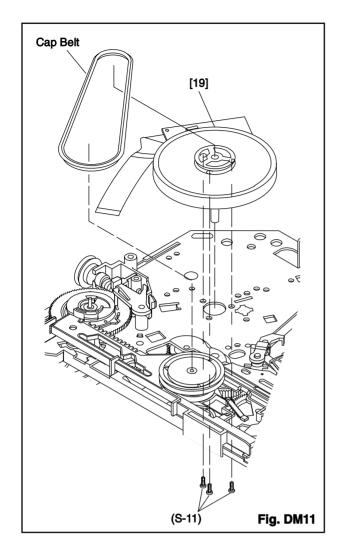


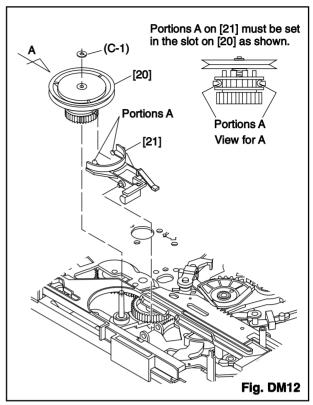




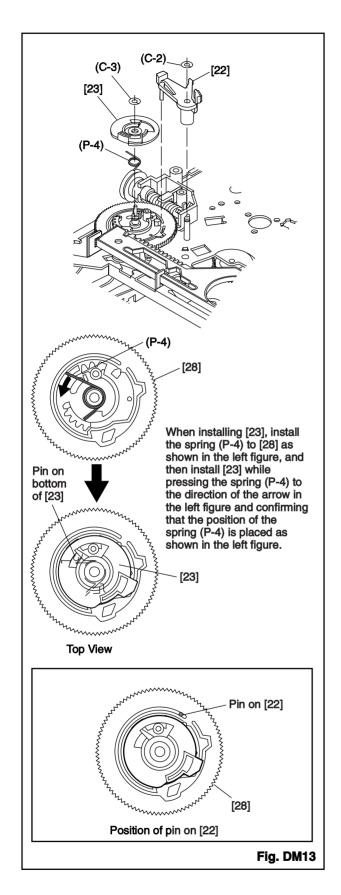


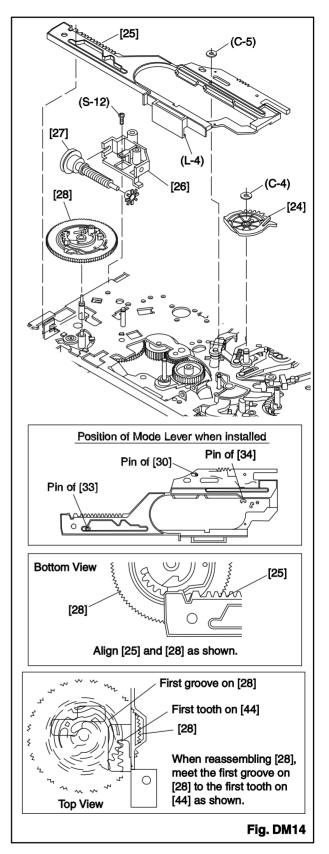
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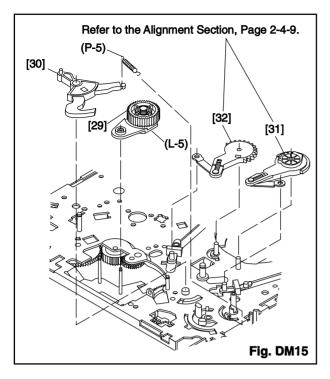


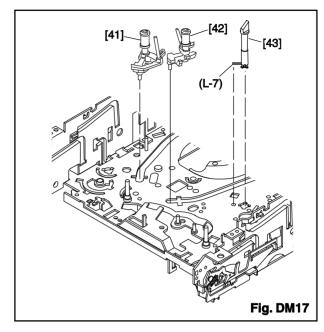
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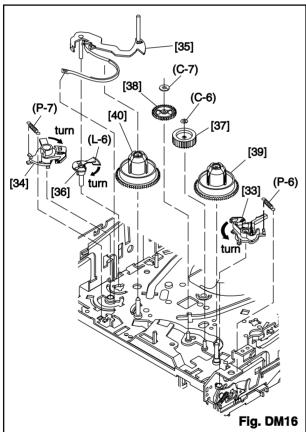


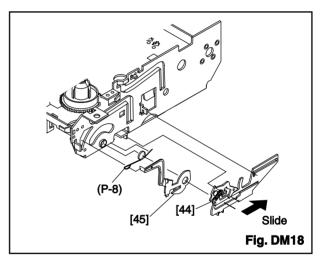


2-4-17 T6310DA





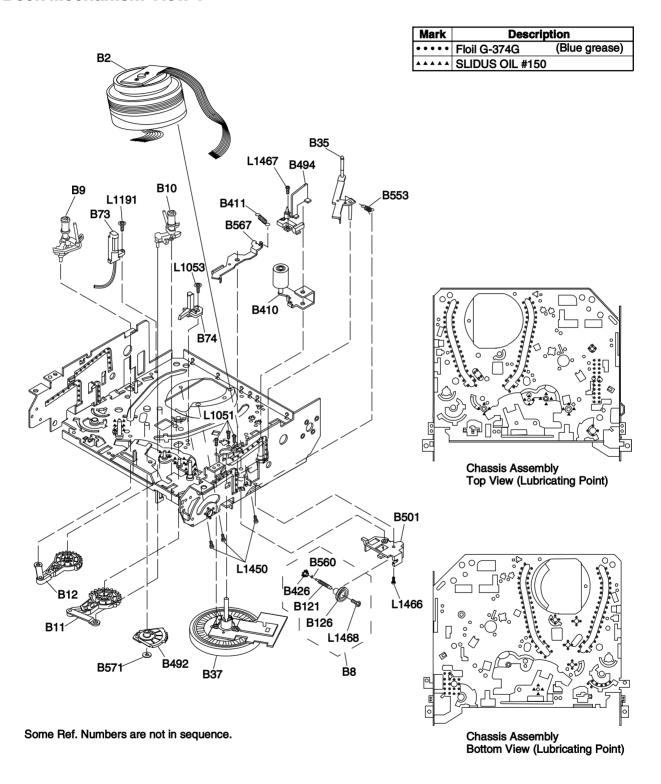




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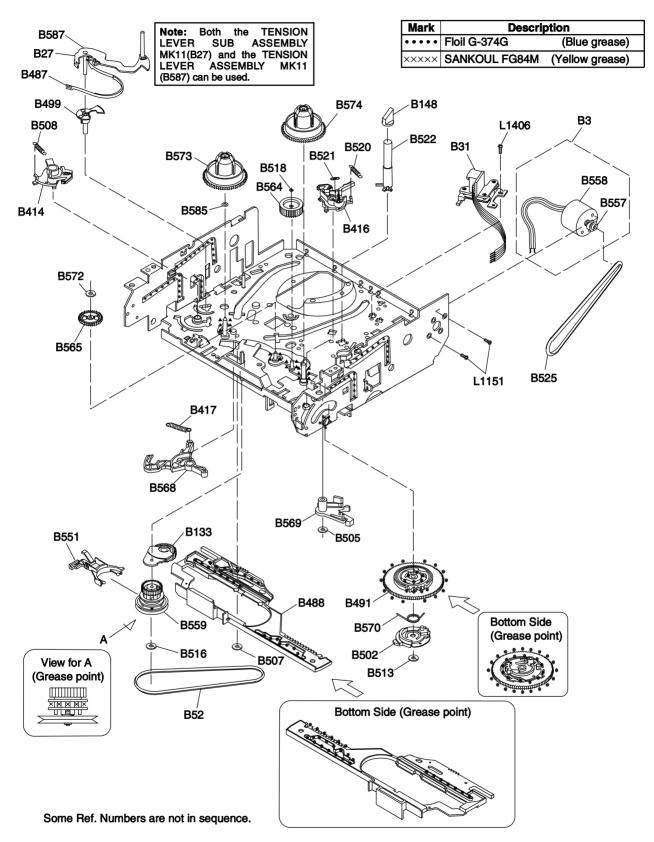
[14PV111/ (01, 07, 58), 14PV112/ (07, 39), 14PV203/ (01, 07, 39, 58), 14PV415/ (01, 07, 39, 58), 14PV460/ (01, 07, 39, 58)]

Deck Mechanism View 1



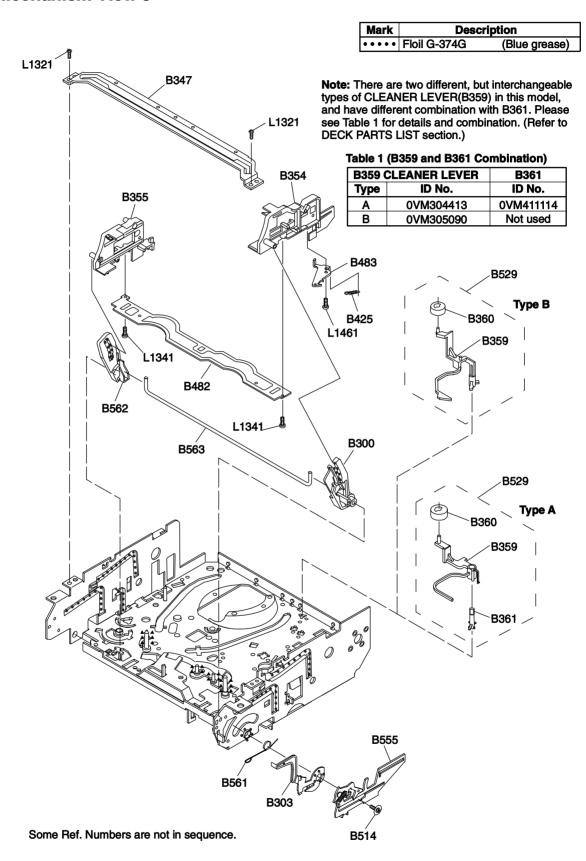
2-5-4 T6310DEX

Deck Mechanism View 2



2-5-5 T6310DEX

Deck Mechanism View 3



2-5-6 T6310DEX

| | D | ECK PAR | rs list |
|------------|---|----------------------------------|--|
| Pos. | | 12 NC | T |
| FOS. | # | 12 NC | Description |
| D2 | | 9965 000 12895 | CYLINDER ASS. MK11 PAL 2HD 2SP |
| B2 B3 | | 9965 000 1209 | LOADING MOTOR |
| вз В8 | | 9965 000 12202 | PULLEY ASS. MK11 |
| В9 | | 9965 000 12203 | MOVING GUIDE S PREP. MK10 |
| | | | MOVING GUIDE T PREP. MK10 |
| B10 | | 9965 000 08431 | |
| B11 B12 | | 9965 000 12204 9965 000 12205 | LOADING ARM ASS. MK11 LOADING ARM ASS. MK11 |
| B27 | _ | 9965 000 12206 | TENSION LEVER SUB ASS. MK11 |
| B31 | _ | 9965 000 13920 | AC HEAD ASS. MK11(TVCR) |
| B35 | | 9965 000 13920 | TAPE GUIDE ASS. MK11 |
| B37 | | 9965 000 14391 | CAPSTAN MOTOR |
| B52 | | 9965 000 08593 | CAP BELT MK10 |
| B73 | | 9965 000 12210 | FE HEAD ASS. MK11 |
| B74 | | 9965 000 12210 | PRISM MK10 |
| B121 | | 9965 000 12211 | WORM MK11 |
| B126 | | 9965 000 12211 | PULLEY MK11 |
| B133 | _ | 9965 000 12212 | IDLER ASS. MK10 |
| B148 | | 9965 000 12368 | TG CAP MK11 |
| B300 | | 9965 000 12300 | C DRIVE LEVER R MK11 |
| B303 | | 9965 000 12214 | F DOOR OPENER MK11 |
| B347 | _ | 9965 000 12215 | GUIDE HOLDER A MK10 |
| B354 | | 9965 000 08445 | SLIDER R MK11 |
| B355 | | 9965 000 12216 | SLIDER L MK11 |
| B359 | | 9965 000 12416 | CLEANER LEVER MK11 |
| B360 | | 9965 000 12410 | CLEANER ROLLER MK9 |
| B410 | _ | 9965 000 13685 | PINCH ARM(A) ASS.(Y) MK11 |
| B411 | | 9965 000 13683 | PINCH SPRING MK10 |
| D411 | | 9903 000 00433 | FINCIT SERING WIRTO |
| B414 | | 9965 000 12369 | M BRAKE S ASS. MK11 |
| B416 | | 9965 000 12370 | M BRAKE T ASS. MK11 |
| B417 | | 9965 000 12221 | TENSION SPG(190265) MK11 |
| B425 | | 9965 000 08457 | LOCK LEVER SPRING MK10 |
| B426 | | 9965 000 08458 | KICK PULLEY MK10 |
| D 400 | | 0005 000 40000 | O DI ATT MICH |
| B482 | | 9965 000 12222 | |
| B483 | _ | 9965 000 08461 | LOCK LEVER MK10 |
| B487 | | 9965 000 08462 | BAND BRAKE MK10 |
| B488 | | 9965 000 13025 | MODE LEVER(PB) MK11 |
| B491 | | 9965 000 12224 | CAM GEAR(A) MK11 |
| B492 | | 9965 000 12225 | MODE GEAR MK11 |
| B494 | | 9965 000 12226 | DOOR OPENER B MK11 |
| B499 | | 9965 000 08467 | T LEVER HOLDER MK10 |
| B501 | | 9965 000 12227 | WORM HOLDER MK11 |
| B502 | | 9965 000 08469 | CAM GEAR(B) MK10 |
| B505 | | 9965 000 12372 | PSCW(625504) MK11 |
| B507 | | 9965 000 05342 | REEL WASHER MK9 5*2.1*0.5 |
| B508 | | 9965 000 08470 | S BRAKE SPRING MK10 |
| B513 | | 9965 000 08471 | PSCW(752605) MK10 |
| B514 | | 9965 000 12228 | SCREW RACK MK11 |
| B516 | | 9965 000 05342 | REEL WASHER MK9 5*2.1*0.5 |
| B518 | | 4822 532 13159 | P.S.W CUT 1.6X4.0X0.5T |

| | D | ECK PAR | rs list |
|----------|---|-----------------|--------------------------|
| Pos. | A | 12 NC | Description |
| | | | - |
| B520 | | 9965 000 08481 | T BRAKE SPRING MK10 |
| B521 | | 9965 000 08482 | SOFT SPRING MK10 |
| B522 | | 9965 000 12373 | TG POST ASS. MK11 |
| B525 | | 9965 000 12230 | LDG BELT MK11 |
| B529 | | 9965 000 12231 | CLEANER ASS. MK11 |
| B551 | | 9965 000 12374 | FF ARM MK11 |
| B553 | | 9965 000 12233 | REV SPRING MK11 |
| B555 | | 9965 000 12234 | RACK ASS. MK11 |
| B557 | | 9965 000 08519 | MOTOR PULLEY U5 |
| B558 | | 9965 000 12235 | LOADING MOTOR |
| B559 | | 9965 000 12375 | CLUTCH ASS. MK11 |
| B560 | | 9965 000 08522 | KICK SPRING MK10 |
| B561 | | 9965 000 08523 | F DOOR SPRING MK10 |
| B562 | | 9965 000 08524 | C DRIVE LEVER L MK10 |
| B563 | | 9965 000 08525 | SLIDER SHAFT MK10 |
| B564 | | 9965 000 09315 | M GEAR MK10 |
| B565 | | 9965 000 12238 | SENSOR GEAR MK11 |
| B567 | | 9965 000 08544 | PINCH ARM(B) MK10 |
| B568 | | 9965 000 08545 | BT ARM MK10 |
| B569 | | 9965 000 12239 | CAM HOLDER F MK11 |
| B570 | | 9965 000 12239 | CAM RACK SPRING(HI) MK11 |
| B571 | | 4822 532 13158 | P.S.W F 6*2.55*0.5 |
| B572 | | | P.S.W CUT 1.6X4.0X0.5T |
| | | 4822 532 13159 | |
| B573 | | 9965 000 12241 | REEL S MK11 |
| B574 | | 9965 000 12376 | REEL T MK10 |
| B585 | | 9965 000 13687 | PSW(317505) MK11 |
| B587 | | 9965 000 13688 | TENSION LEVER ASS. MK11 |
| | | | SCREW, B-TIGHT |
| L1051 | | 9965 000 05359 | M2.6X6 PAN HEAD+ |
| | | | SCREW, S-TIGHT |
| L1053 | | 9965 000 05375 | M2.6X8 WASHER HEAD+ |
| | | | SCREW, SEMS |
| L1151 | | 9965 000 08642 | M2.6X4 PAN HEAD+ |
| | | | SCREW, S-TIGHT |
| L1191 | | 9965 000 05375 | M2.6X8 WASHER HEAD+ |
| | | | SCREW, S-TIGHT |
| L1321 | | 4822 502 14009 | M3X6 BIND HEAD+ |
| | | | SCREW, P-TIGHT |
| L1341 | | 4822 502 14669 | M2.6X6 BIND HEAD+ |
| L1406 | | 9965 000 08643 | AC HEAD SCREW MK9 |
| | | | SCREW, S-TIGHT |
| L1407 | | 9965 000 12250 | M2.6X10 DISH HEAD+ |
| | | | SCREW, SEMS |
| L1450 | | 4822 502 14671 | M2.6X5 PAN HEAD+ |
| | | | SCREW, P-TIGHT |
| L1461 | | 4822 502 30471 | M2.6X6 WASHER HEAD+ |
| | | | SCREW, S-TIGHT |
| L1466 | | 9965 000 05364 | M2.6X6 BIND HEAD+ |
| 1 | | | SCREW, S-TIGHT |
| L1467 | | 9965 000 12251 | M2.6X5 WASHER HEAD+ |
| 70. | | 1100 000 12201 | SCREW, B-TIGHT |
| L1468 | | 9965 000 12252 | M1.7X12 |
| <u> </u> | 1 | I TOO GOO ILLUE | ı |



14PV360/01/07/39 14PV365/01/07/39/58

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Survey of versions:

/01 PAL-BG, EURO

/07 PAL I, Ireland

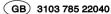
PAL/SECAM-BG+PAL/SECAM-L/L',FRANCE PAL-BG/DK+SECAM-BG/DK,EAST-EURO /39 /58

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

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MAIN SECTION TV-VCR COMBINATION

Sec. 1: Main Section

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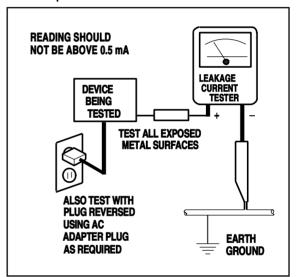
IMPORTANT SAFETY PRECAUTIONS

Prior to shipment from the factory, our products are strictly inspected for recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

Safety Precautions for TV Circuit

- Before returning an instrument to the customer, always make a safety check of the entire instrument, including, but not limited to, the following items:
- a. Be sure that no built-in protective devices are defective and have been defeated during servicing. (1) Protective shields are provided on this chassis to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience. (2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including but not limited to, nonmetallic control knobs, insulating fishpapers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning. Servicers who defeat safety features or fail to perform safety checks may be liable for any resulting damage.
- b. Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, (1) spacing between the picture tube and the cabinet mask, (2) excessively wide cabinet ventilation slots, and (3) an improperly fitted and/or incorrectly secured cabinet back cover.
- c. Antenna Cold Check With the instrument AC plug removed from any AC source, connect an electrical jumper across the two AC plug prongs. Place the instrument AC switch in the on position. Connect one lead of an ohmmeter to the AC plug prongs tied together and touch the other ohmmeter lead in turn to each tuner antenna input exposed terminal screw and, if applicable, to the coaxial connector. If the measured resistance is less than 1.0 megohm or greater than 5.2 megohm, an abnormality exists that must be corrected before the instrument is returned to the customer. Repeat this test with the instrument AC switch in the off position.
- d. Leakage Current Hot Check With the instrument completely reassembled, plug the AC line cord directly into a 120V AC outlet. (Do not use an isolation transformer during this test.) Use a leak-

age current tester or a metering system that complies with American National Standards Institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1410, (50.7). With the instrument AC switch first in the on position and then in the off position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milli-ampere. Reverse the instrument power cord plug in the outlet and repeat the test.



ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE INSTRUMENT TO THE CUSTOMER OR BEFORE CONNECTING THE ANTENNA OR ACCESSORIES.

e. X-Radiation and High Voltage Limits - Because the picture tube is the primary potential source of X-radiation in solid-state TV receivers, it is specially constructed to prohibit X-radiation emissions. For continued X-radiation protection, the replacement picture tube must be the same type as the original. Also, because the picture tube shields and mounting hardware perform an X-radiation protection function, they must be correctly in place. High voltage must be measured each time servic-

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ing is performed that involves B+, horizontal deflection or high voltage. Correct operation of the X-radiation protection circuits also must be reconfirmed each time they are serviced. (X-radiation protection circuits also may be called "horizontal disable" or "hold down.") Read and apply the high voltage limits and, if the chassis is so equipped, the X-radiation protection circuit specifications given on instrument labels and in the Product Safety & X-Radiation Warning note on the service data chassis schematic. High voltage is maintained within specified limits by close tolerance safety-related components/adjustments in the high-voltage circuit. If high voltage exceeds specified limits, check each component specified on the chassis schematic and take corrective action.

- 2. Read and comply with all caution and safety-related notes on or inside the receiver cabinet, on the receiver chassis, or on the picture tube.
- 3. Design Alteration Warning Do not alter or add to the mechanical or electrical design of this TV receiver. Design alterations and additions, including, but not limited to circuit modifications and the addition of items such as auxiliary audio and/or video output connections, might alter the safety characteristics of this receiver and create a hazard to the user. Any design alterations or additions will void the manufacturer's warranty and may make you, the servicer, responsible for personal injury or property damage resulting therefrom.
- 4. Picture Tube Implosion Protection Warning -The picture tube in this receiver employs integral implosion protection. For continued implosion protection, replace the picture tube only with one of the same type number. Do not remove, install, or otherwise handle the picture tube in any manner without first putting on shatterproof goggles equipped with side shields. People not so equipped must be kept safely away while picture tubes are handled. Keep the picture tube away from your body. Do not handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; because of potential hazard, do not try to remove such "permanently attached" yokes from the picture tube.

5. Hot Chassis Warning -

a. Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord and maybe safety-serviced without an isolation transformer only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC power source. To confirm that the AC power plug is inserted correctly, with an AC voltmeter, measure between the chassis and a known

- earth ground. If a voltage reading in excess of 1.0V is obtained, remove and reinsert the AC power plug in the opposite polarity and again measure the voltage potential between the chassis and a known earth ground.
- b. Some TV receiver chassis normally have 85V AC(RMS) between chassis and earth ground regardless of the AC plug polarity. This chassis can be safety-serviced only with an isolation transformer inserted in the power line between the receiver and the AC power source, for both personnel and test equipment protection.
- c. Some TV receiver chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulation material that must not be defeated or altered.
- 6. Observe original lead dress. Take extra care to assure correct lead dress in the following areas: a. near sharp edges, b. near thermally hot parts-be sure that leads and components do not touch thermally hot parts, c. the AC supply, d. high voltage, and e. antenna wiring. Always inspect in all areas for pinched, out of place, or frayed wiring. Check AC power cord for damage.
- 7. Components, parts, and/or wiring that appear to have overheated or are otherwise damaged should be replaced with components, parts, or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.
- 8. Product Safety Notice Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc.. Parts that have special safety characteristics are identified by a (Λ) on schematics and in parts lists. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire, and/or other hazards. The Product's Safety is under review continuously and new instructions are issued whenever appropriate. Prior to shipment from the factory, our products are strictly inspected to confirm with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

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Precautions during Servicing

- A. Parts identified by the (
) symbol are critical for safety.
 - Replace only with part number specified.
- B. In addition to safety, other parts and assemblies are specified for conformance with regulations applying to spurious radiation. These must also be replaced only with specified replacements.
 - Examples: RF converters, RF cables, noise blocking capacitors, and noise blocking filters, etc.
- C. Use specified internal wiring. Note especially:
- 1) Wires covered with PVC tubing
- 2) Double insulated wires
- 3) High voltage leads
- **D.** Use specified insulating materials for hazardous live parts. Note especially:
- 1) Insulation Tape
- 2) PVC tubing
- 3) Spacers
- 4) Insulators for transistors.
- E. When replacing AC primary side components (transformers, power cord, etc.), wrap ends of wires securely about the terminals before soldering.
- F. Observe that the wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)
- **G.** Check that replaced wires do not contact sharp edged or pointed parts.

- **H.** When a power cord has been replaced, check that 5~6 kg of force in any direction will not loosen it.
- I. Also check areas surrounding repaired locations.
- J. Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.
- K. Crimp type wire connector

When replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, in order to prevent shock hazards, perform carefully and precisely the following steps.

Replacement procedure

- 1) Remove the old connector by cutting the wires at a point close to the connector.
 - Important: Do not re-use a connector (discard it).
- Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.
- Align the lengths of the wires to be connected. Insert the wires fully into the connector.
- 4) Use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.
- L. When connecting or disconnecting the VCR connectors, first, disconnect the AC plug from AC supply socket.

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Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Clearance Distance

When replacing primary circuit components, confirm specified clearance distance (d) and (d') between soldered terminals, and between terminals and surrounding metallic parts. (See Fig. 1)

TTable 1: Ratings for selected area

| AC Line Voltage | Clearance Distance (d) (d') |
|-----------------|-----------------------------|
| 220 to 240 V | ≥ 3mm(d) ≥ 6 mm(d') |

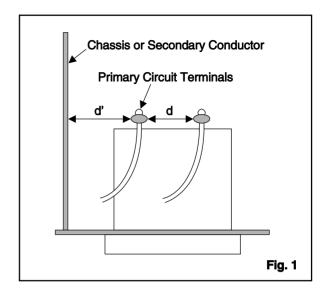
Note: This table is unofficial and for reference only. Be sure to confirm the precise values.

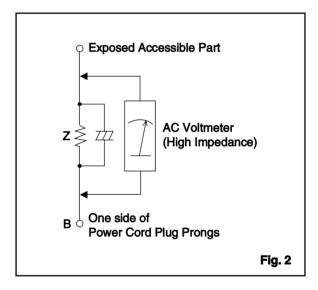
2. Leakage Current Test

Confirm the specified (or lower) leakage current between B (earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

Measuring Method: (Power ON)

Insert load Z between B (earth ground, power cord plug prongs) and exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See Fig. 2 and following table.





TTable 2: Leakage current ratings for selected areas

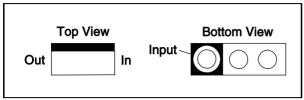
| AC Line Voltage | Load Z | Leakage Current (i) | One side of power cord plug prongs (B) to: |
|-----------------|---|-----------------------------|--|
| 220 to 240 V | $2 k\Omega$ RES. Connected in parallel | i≤0.7mA AC Peak i≤2mA DC | RF or Antenna terminals |
| 220 to 240 V | 50kΩ RES. Connected in parallel | i≤0.7mA AC Peak i≤2mA DC | A/V Input, Output |

Note: This table is unofficial and for reference only. Be sure to confirm the precise values.

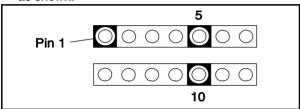
STANDARD NOTES FOR SERVICING

Circuit Board Indications

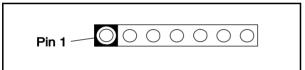
1. The output pin of the 3 pin Regulator ICs is indicated as shown:



For other ICs, pin 1 and every 5th pin is indicated as shown:

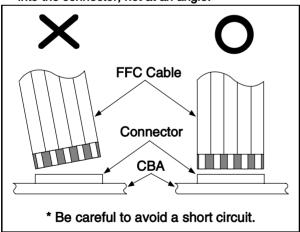


3. The 1st pin of every pin connector are indicated as shown:



Instructions for Connectors

- 1. When you connect or disconnect FFC cable (connector), be sure to disconnect the AC cord.
- 2. FFC cable (connector) should be inserted parallel into the connector, not at an angle.

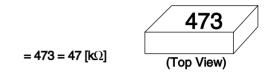


[CBA= Circuit Board Assembly]

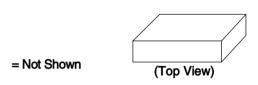
How to Read the Values of the Rectangular Type Chip Components

Example:

(a) Resistor



(b) Capacitor



Caution:

Once chip parts (Resistors, Capacitors, Transistors, etc.) are removed, they must not be reused. Always use a new part.

Replacement Procedures for Leadless (Chip) Components

The Following Procedures are Recommended for the Replacement of the Leadless Components Used in this Unit.

- 1. Preparation for replacement
- a. Soldering Iron
 Use a pencil-type soldering iron (less than 30 watts).
- Solder Eutectic solder (Tin 63%, Lead 37%) is recommended.
- c. Soldering timeDo not apply heat for more than 4 seconds.
- d. Preheating Leadless capacitor must be preheated before installation. (130°C~150°C, for about two minutes.)

Notes

- Leadless components must not be reused after removal.
- Excessive mechanical stress and rubbing for the component electrode must be avoided.

2. Removing the leadless component

Grasp the leadless component body with tweezers and alternately apply heat to both electrodes. When the solder on both electrodes has melted, remove leadless component with a twisting motion.

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Notes:

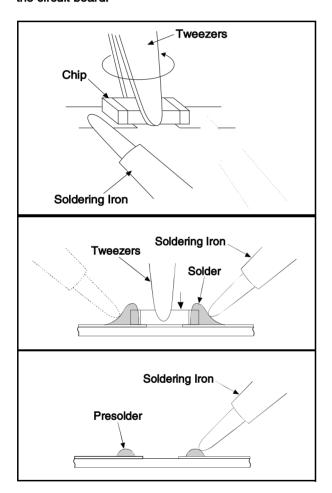
- a. Do not attempt to lift the component off the board until the component is completely disconnected from the board by the twisting action.
- Take care not to break the copper foil on the printed board

3. Installing the leadless component

- a. Presolder the contact points of the circuit board.
- Press the part downward with tweezers and solder both electrodes as shown below.

Note:

Do not glue the replacement leadless component to the circuit board.



How to Remove / Install Flat Pack IC

Caution:

 Do not apply the hot air to the chip parts around the Flat Pack-IC for over 6 seconds as damage may occur to the chip parts. Put Masking Tape around the Flat Pack-IC to protect other parts from damage. (Fig. S-1-2) The Flat Pack-IC on the CBA is affixed with glue, so be careful not to break or damage the foil of each pin or solder lands under the IC when removing it.

1. Removal

With Hot - Air Flat Pack - IC Desoldering Machine:

- a. Prepare the Hot Air Flat Pack IC Desoldering Machine, then apply hot air to Flat Pack - IC (about 5~6 seconds). (Fig. S-1-1)
- b. Remove the Flat Pack- IC with tweezers while applying the hot air.

With Soldering Iron:

- a. Using desoldering braid, remove the solder from all pins of the Flat Pack - IC. When you use solder flux which is applied to all pins of the Flat Pack - IC, you can remove it easily. (Fig. S-1-3)
- b. Lift each lead of the Flat Pack IC upward one by one, using a sharp pin or wire to which solder will not adhere (iron wire). When heating the pins, use a fine tip soldering iron or a hot air Desoldering Machine. (Fig. S-1-4)

With Iron Wire:

- Using desoldering braid, remove the solder from all pins of the Flat Pack - IC. When you use solder flux which is applied to all pins of the Flat Pack - IC, you can remove it easily. (Fig. S-1-3)
- b. Affix the wire to a workbench or solid mounting point, as shown in Fig. S-1-5.
- c. Pull up on the wire as the solder melts so as to lift the IC leads from the CBA contact pads, while heating the pins using a fine tip soldering iron or hot air blower.

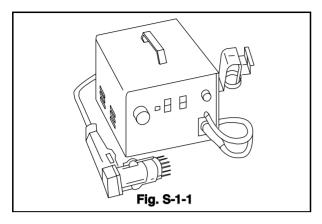
Note:

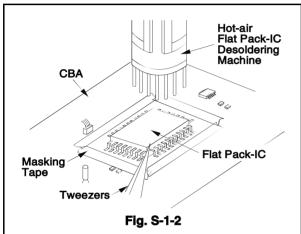
When using a soldering iron, care must be taken to ensure that the Flat Pack - IC is not being held by glue, or when it is removed from the CBA, it may be damaged if force is used.

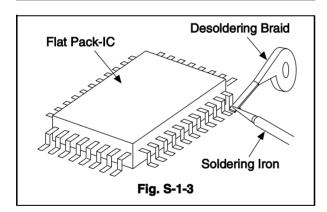
2. Installation

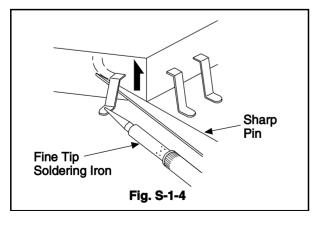
- a. Using desoldering braid, remove the solder from the foil of each pin of the Flat Pack - IC on the CBA, so you can install a replacement Flat Pack - IC more easily.
- b. The "•" mark on the Flat Pack IC indicates pin 1 (See Fig. S-1-6). Make sure this mark matches the 1 on the CBA when positioning for installation. Then pre - solder the four corners of the Flat Pack-IC (See Fig. S-1-7).
- c. Solder all pins of the Flat Pack IC. Make sure that none of the pins have solder bridges.

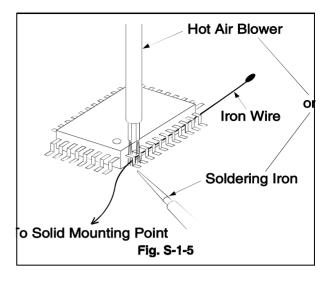
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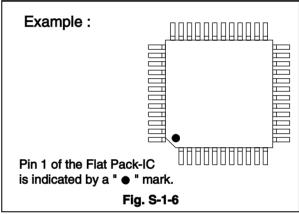


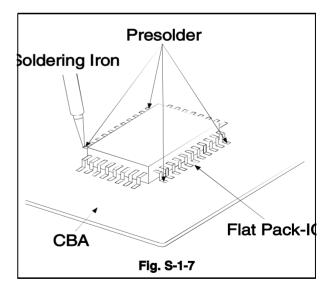












Instructions for Handling Semiconductors

Electrostatic breakdown of the semiconductors may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

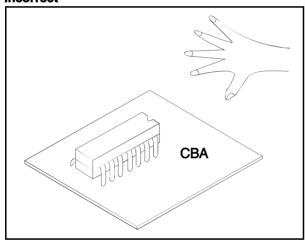
Ground for Human Body

Be sure to wear a grounding band (1M Ω) that is properly grounded to remove any static electricity that may be charged on the body.

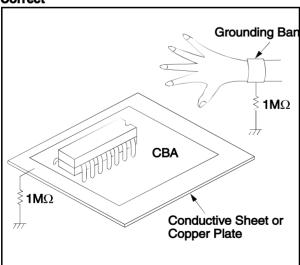
Ground for Work Bench

Be sure to place a conductive sheet or copper plate with proper grounding (1M Ω) on the work bench or other surface, where the semiconductors are to be placed. Because the static electricity charge on the clothing will not escape through the body grounding band, be careful to avoid contacting semiconductors to clothing.

Incorrect



Correct



1-2-4 SFTY_5

PREPARATION FOR SERVICING

How to Enter the Service Mode

Caution: 1

 Optical sensors system are used for Tape Start and End Sensor on this equipment. Read this page carefully and prepare as described on this page before starting to service; otherwise, the unit may operate unexpectedly.

Preparing: 1

 Cover Q202 (START SENSOR) and Q201 (END SENSOR) with Insulation Tape or enter the service mode to activate Sensor Inhibition automatically.

Note: Avoid playing, rewinding or fast forwarding the tape to its beginning or end, because both Tape End Sensors are not active.

How to Enter the Service Mode

- Turn the power on. (Use main power on the TV unit.)
- 2. Press [STANDBY/ON], [2], [7], [1], and [MUTE] buttons on the remote control unit in that order within 5 seconds. When entering the service mode, "F" will display at corners of the screen.
- 3. During the service mode, electrical adjustment mode can be selected by remote control key.

Details are as follows.

| Key | Adjustment Mode | | |
|------|--|--|--|
| MENU | Picture adjustment mode: Press the MENU button to change from BRT (Bright), *CNT (Contrast), *COL (Color), *TNT(Tint) and SHP. Press P+/P- key to display Initial Value. *Marked items are not necessary to adjust normally. | | |
| ⊿▼ | SECAM Black Level adjustment mode: See adjustment instructions page 1-6-3. Cut-Off adjustment mode: See adjust- ment instructions page 1-6-4. White Balance adjustment mode: See adjustment instructions page 1-6-5. | | |
| 0 | C-Trap adjustment mode: See adjustment instructions page 1-6-2. | | |
| 1 | DSPC adjustment mode: See adjustment instructions page 1-6-3. | | |
| 2 | H adjustment mode: See adjustment instructions page 1-6-2. | | |
| 3 | No need to use. | | |
| 4 | Auto record mode: Perform recording (15 Sec.)>Stop>Rewind (Zero return) automatically. | | |

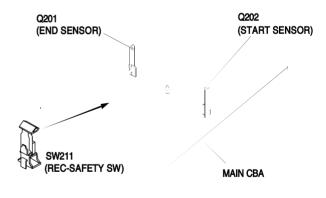
| Key | Adjustment Mode | |
|-----|--|--|
| 5 | Head switching point adjustment mode: See adjustment instructions page 1-6-6. | |
| 6 | No need to use. | |
| 7 | Purity check mode: Shows Red, Green, Blue or White cyclically on the screen each time the [7] key is pressed. | |
| 8 | H. Shift adjustment mode: See adjustment instructions page 1-6-4. | |
| 9 | V.size/V. shift adjustment: See adjustment instructions page 1-6-4. | |

Caution: 2

 The deck mechanism assembly is mounted on the Main CBA directly, and SW211 (REC-SAFETY SW) is mounted on the Main CBA. When deck mechanism assembly is removed from the Main CBA due to servicing, this switch can not be operated automatically.

Preparing: 2

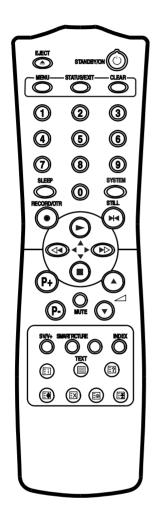
- 1. To eject the tape, press the STOP/EJECT button on the unit (or Remote Control).
- When you want to record during the Service mode, press the Rec button while depressing SW211 (REC-SAFETY SW) on the Main CBA.



1-3-1 T6300PFS

OPERATING CONTROLS AND FUNCTIONS

The remote control



EJECT ▲ To eject the cassette.

CLEAR To delete last entry/Clear programmed recording (TIMER).

RECORD/OTR ● To record the TV channel selected at this moment or press repeatedly to start a One-Touch Recording.

STILL To stop the tape and show a still picture.

P+ P- To select the programme number. During normal or slow motion playback, press to adjust the tracking or vertical jitter.

MUTE To eliminate the sound. Press again to restore the volume.

SYSTEM Doesn't work in these models.

SLEEP To select the switch-off time in 30 minutes intervals.

TEXT To switch TELETEXT on or off,or transparent mode.

: enlarge font

EX: switch TELETEXT decoder off temporarily

: recall hidden information

: stop page changes

igo back to start page.

SV/V+ Red button / To programme recordings with VIDEO Plus+ system or to alter / clear programmed TIMER recordings. Select TELETEXT function when you are in TELETEXT mode.

SMART PICTURE Green button / To call up preset picture settings. Select TELETEXT function when you are in TELETEXT mode.

Yellow button/ Select TELETEXT function when you are in TELETEXT mode.

INDEX Blue button / Search for the previous/next recording code on the tape in combination with

Yellow button / Select TELETEXT function when you are in TELETEXT mode.

STANDBY/ON ① To switch TVCR On or Off or to interrupt menu function.

MENU To call up main menu of TVCR.

STATUS/EXIT To access or remove the TVCR's on-screen status display. To exit on-screen menus.

0..9 Press to select channels.

▶▶ When tape playback is stopped, press to fast forward the tape at hight speed. During playback, press to fast forward the tape while the picture stay on the screen. To store or confirm entry in the menu. Press to adjust the controls of TVCR menu.

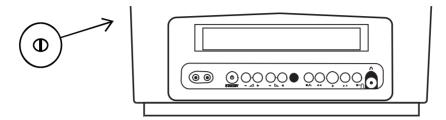
When tape playback is stoped, press to rewind the tape at high speed. During playback, press to rewind the tape while the picture stay on the screen. To return the cursor in the menu. Press to adjust the controls of TVCR menu.

▲ ► To play a tape, select an item in the menu of TVCR.

▼ ■ To stop the tape, select an item in the menu of TVCR.

1-4-1 T6300IB

Front of the device



Power switch: To switch the TV-Video Combi off.

Caution: If you switch off using the power switch, TIMER-recordings are impossible!

- **Standby/on:** To switch TVCR On or Off or to interrupt a menu function.
- $oxed{oxed}$ Volume: In connection with the button $oxed{\pm}$, $oxed{oxed}$ to adjust the volume.
- P- Programme number minus: previous programme number
- P+ Programme number plus: next programme number
- Record: To record the programme currently selected.
- Playback: To play a recorded cassette.
- Pause/Stop, eject cassette: To stop the tape; If this key is depressed while in STOP, the cassette is then ejected from the machine.
- ▶▶ When tape playback is stopped, press to fast forward the tape at high speed.
- When tape playback is stoped, press to rewind the tape at high speed.

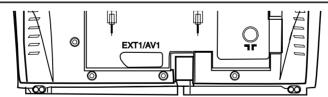
Sockets on the front:

White socket / AUDIO input socket: To connect a camcorder or video games (audio).

Yellow socket / VIDEO Input socket: To connect a camcorder or video games (video).

Small socket / socket for headphones: To connect headphones.

Back of the set



Aerial input socket: To connect the aerial cable.

EXT1/AV1 Scart socket :To connect a satellite receiver, decoder, video recorder, etc.

The control lights at the front of machine

STANDBY • Standby LED: lights up when the TV-Video Combi has been switched On by means of the main switch.

RECORD Recording LED: lights up during recording.

Fast blink: RECORDING PAUSE; TIMER RECORDING NOT STAND-BY.

Slow blink: TIMER RECORDING is stored in a timer block.

1-4-2 T6300IB

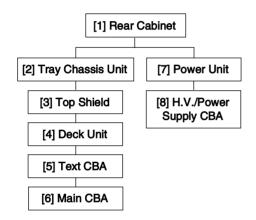
CABINET DISASSEMBLY INSTRUCTIONS

1. Disassembly Flowchart

This flowchart indicates the disassembly steps for the cabinet parts, and the CBA in order to gain access to item(s) to be serviced. When reassembling, follow the steps in reverse order. Bend, route and dress the cables as they were.

Caution !!

When removing the CRT, be sure to discharge the Anode Lead of the CRT with the CRT Ground Wire before removing the Anode Cap.



2. Disassembly Method

| | | | REMOVAL | |
|--------------------|-------------------------|-------------|---|------|
| ID/ LOC. No. | PART | Fig. No. | REMOVE/ *UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOL- DER | Note |
| [1] | Rear Cabinet | 1, 2 | 4(S-1), 2(S-2), *CN801 | 1 |
| [2] | Tray Chassis Unit | 3, 6 | *CN701,* CN702, *CN503, *CN504, *CN601, *CN602 | 2 |
| [3] | Top Shield | 3, 6 | 5(S-3) | 3 |
| [4] | Deck Unit | 3, 6 | 7(S-4), 2(S-5), Desolder *(CN201, CL401, CL402, CL403) | 4 |
| [5] | Text CBA | 3, 6 | *CN751, *CN752 | 5 |
| [6] | Main CBA | 3, 6 | 6(S-6) | 6 |
| [7] | Power Unit | 4,5, 6 | Anode Cap, *CN501, CRT CBA, *CN571, 2(S-7) | 7 |

| | | | REMOVAL | |
|--------------------|-----------------------------|--------------|--|----------|
| ID/ LOC. No. | PART | Fig. No. | REMOVE/ *UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOL- DER | Note |
| [8] | H.V./Power Supply CBA | 4, 6 | 4(S-8) | 8 |
| [9] | CRT | 5 | 4(S-9) | 9 |
| <u> </u> | <u> </u> | \ | <u> </u> | <u> </u> |
| (1) | (2) | (3) | (4) | (5) |

- (1): Order of steps in Procedure. When reassembling, follow the steps in reverse order. These numbers are also used as the identification (location) No. of parts in Figures.
- (2): Parts to be removed or installed.
- (3): Fig. No. showing Procedure of Part Location.
- (4): Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered.

S=Screw, P=Spring, L=Locking Tab, CN=Connector, *=Unhook, Unlock, Release, Unplug, or Desolder

2(S-2) = two Screw (S-2)

(5): Refer to the following "Reference Notes in the Table."

Reference Notes in the Table

- Removal of the Rear Cabinet.
 Remove four screws (S-1) and two screws (S-2).
 Then, disconnect connector CN801.
- Removal of the Tray Chassis Unit.
 Disconnect connectors CN701, CN702, CN503, CN504, CN601 and CN602. Then pull the Tray Chassis Unit out.
- 3. Removal of the Top Shield. Remove five screws (S-3).
- Removal of the Deck Unit.
 Remove seven screws (S-4) and two screws (S-5).
 Then, desolder connectors (CN201, CL401, CL402, CL403) and lift up the Deck Unit.
- Removal of the Text CBA.
 Disconnect connectors CN751 and CN752. Then, lift the Text CBA up.

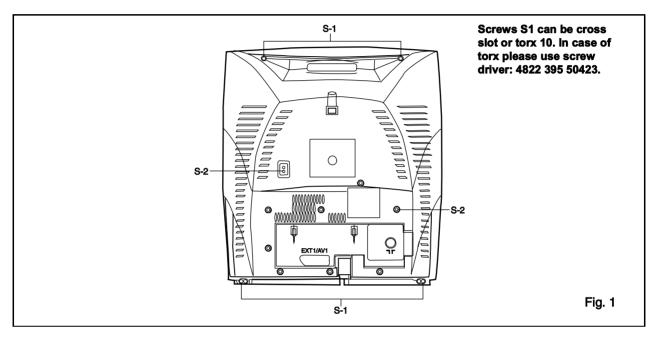
1-5-1 T6300DC

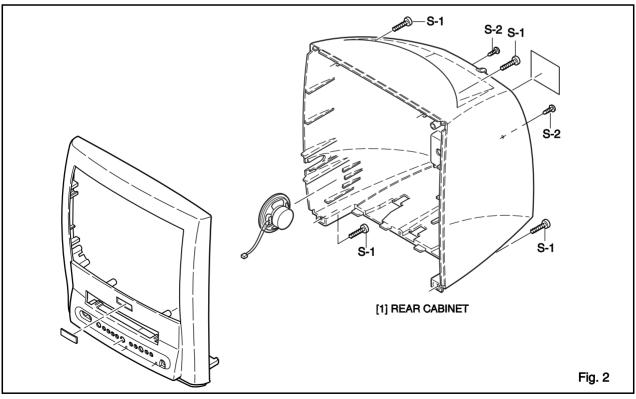
Removal of the Main CBA. Remove six screws (S-6) and pull up the Main CBA.

Caution !!

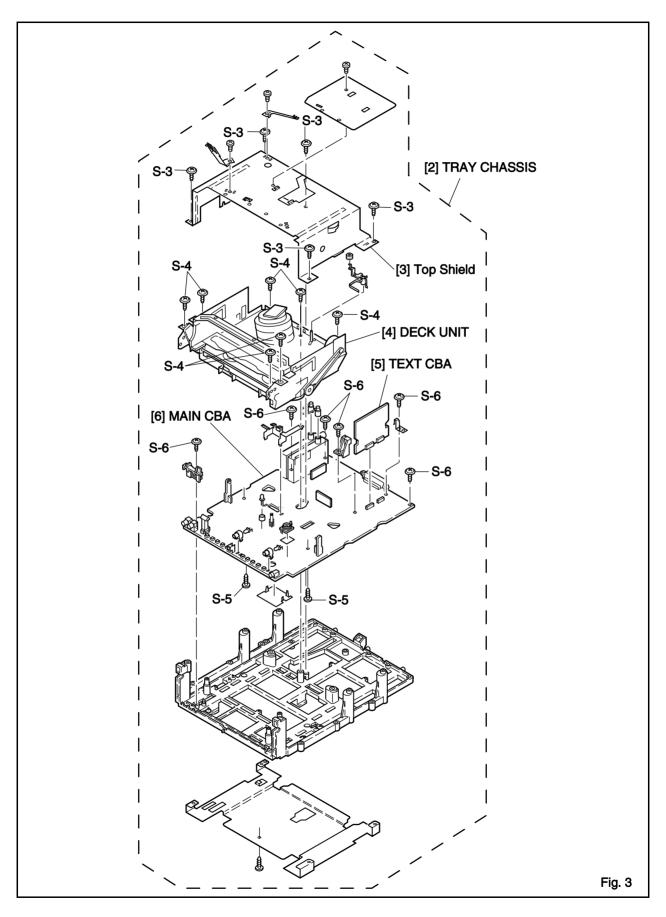
Discharge the Anode Lead of the CRT with the CRT Ground Wire before removing the Anode Cap.

- 7. Removal of the Power Unit.
 First, discharge the Anode Lead of the CRT with the CRT Ground before removing the Anode Cap.
 Disconnect the following: Anode Cap, CN501, CRT
- CBA and CN571. Second, remove two screws (S-7). Then, pull the Power Unit backward.
- 8. Removal of the H.V./Power Supply CBA.
 Remove four screws (S-8) and pull up the H.V./
 Power Supply CBA.
- Removal of the CRT. Remove four screws (S-9) and pull the CRT backward

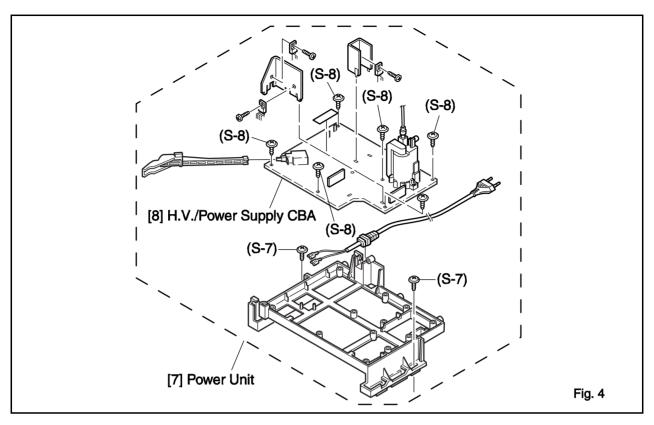


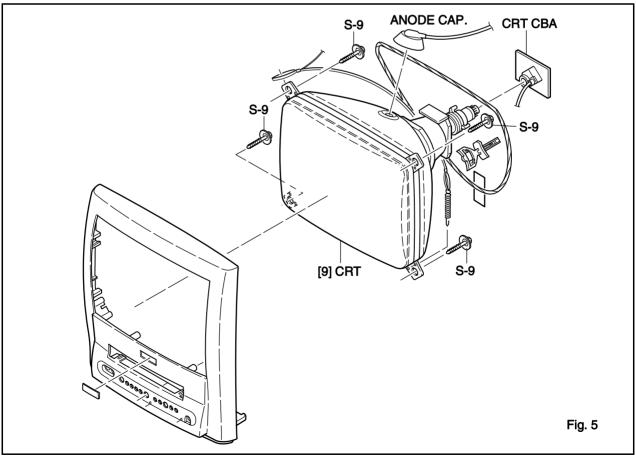


1-5-2 T6300DC

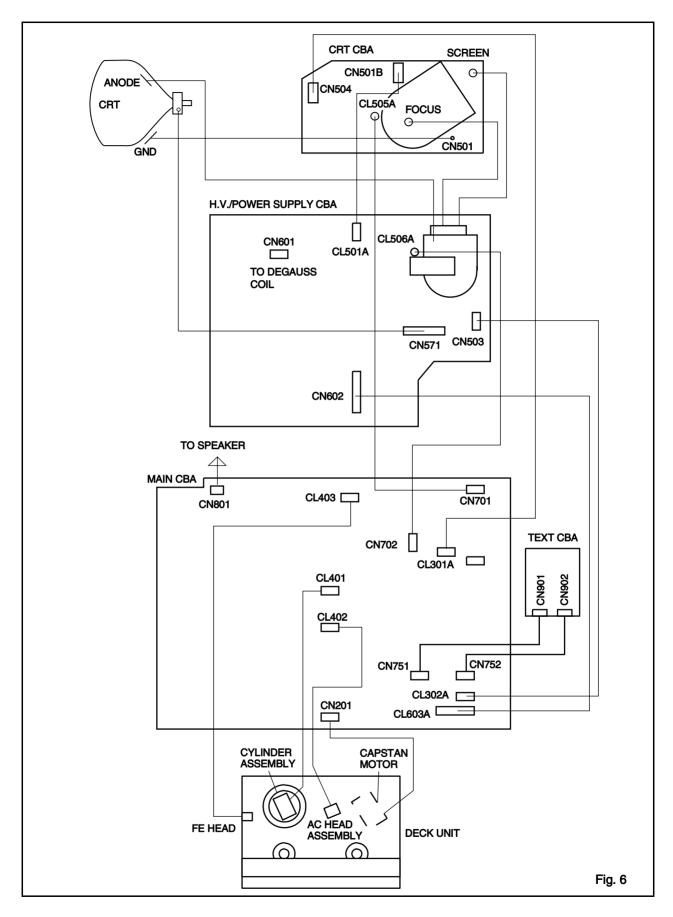


1-5-3 T6300DC





1-5-4 T6300DC



1-5-5 T6300DC

ELECTRICAL ADJUSTMENT INSTRUCTIONS

General Note:

"CBA" is abbreviation for "Circuit Board Assembly."

NOTE:

Electrical adjustments are required after replacing circuit components and certain mechanical parts. It is important to perform these adjustments only after all repairs and replacements have been completed.

Also, do not attempt these adjustments unless the proper equipment is available.

Test Equipment Required

- PAL Pattern Generator (Color Bar W/White Window, Red Color, Dot Pattern, Gray Scale, Monoscope, Multi-Burst)
- 2. AC Milli Voltmeter (RMS)
- 3. Alignment Tape (FL6A), Blank Tape
- 4. DC Voltmeter
- 5. Oscilloscope: Dual-trace with 10:1 probe,

V-Range: 0.001~50V/Div, F-Range: DC~AC-60MHz

- 6. Frequency Counter
- 7. Plastic Tip Driver

How to Set up the Service mode:

NOTE:

After replacing the IC202 (Memory) or Main CBA, the set value in IC202 (Memory) will be lost. So it is necessary to set up or adjust in the Service mode after its replacement.

Service Mode:

- Turn the power on. (Use main power on the TV unit.)
- 2. Press [STANDBY/ON], [2], [7], [1], and [MUTE] buttons on the remote control unit in that order within 5 seconds.
- To cancel the service mode, press [STANDBY/ON] button on the remote control.

How to set up the option code

- 1. Enter the Service mode.
- Press the [STATUS/EXIT] button on the remote control unit. The option code appears on the display.
- 3. If needed, input the option code as shown below using number buttons on the remote control unit.

| Model | Option Code |
|-----------------|-------------|
| 14PV360(365)/01 | 133566 |
| 14PV360(365)/07 | 133564 |
| 14PV360(365)/39 | 133565 |
| 14PV365/58 | 133567 |

To reset the software, press [PAUSE] and [5] buttons on the remote control unit.
 The option code is changed.

1. DC 105V (+B) Adjustment

Purpose: To obtain correct operation.

Symptom of Misadjustment: The picture is dark and unit does not operate correctly.

| Test point | Adj. Point | Mode | Input |
|---------------------------------|------------------------------------|-------------|--------------|
| TP503 (+B) TP504 (GND) | VR601 | | Color Bar |
| Tape | M. EQ. | Sp | ec. |
| | DC Voltmeter Plastic Tip Driver | +105±0.5V D | |

Note: TP503(+B), TP504(GND), VR601 --- H.V./Power Supply CBA

- 1. Connect the unit to AC Power Outlet.
- Input a color bar signal from RF input and leave it for at least 20 minutes. Enter the Service mode. (See page 1-6-1.)
- 3. Connect DC Volt Meter to TP503(+B) and TP504(GND).
- Adjust VR601 so that the voltage of TP503(+B) becomes +105±0.5V DC.

1-6-1 Z11PALEA

2. H Adjustment

Purpose: To get correct horizontal position and size of screen image.

Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

| Test point | Adj. Point | Mode | Input |
|------------|-------------------|---------|----------|
| R583 | P+/P- buttons | Video | |
| Таре | M. EQ. | Spec. | |
| | Frequency Counter | 15.625k | Hz±300Hz |

Note: R583 --- H.V./Power Supply CBA

- 1. Connect Frequency Counter to R583.
- Set the unit to the VIDEO mode and no input is necessary. Enter the Service mode. (See page 1-6-1.)
- 3. Operate the unit for at least 20 minutes.
- 4. Press [2] button on the remote control unit and select H-Adj Mode.
- Press [P+/P-] buttons on the remote control unit so that the display will change [0] to [7.]
 At this moment, choose display [0] to [7] when the Frequency counter display is closest to 15.625kHz±300Hz.
- 6. Turn the power off and on again.

3. C-Trap Adjustment

Purpose: To get minimum leakage of the color signal carrier.

Symptom of Misadjustment: If C-Trap Adjustment is incorrect, stripes will appear on the screen.

| Test point | Adj. Point | Mode | Input | |
|-----------------|-----------------------------------|-------|-----------|--|
| J219 (B-OUT) | P+/P- buttons | | Color Bar | |
| Таре | M. EQ. | S | spec. | |
| | Oscilloscope Pattern Generator | 200m\ | /р-р Мах. | |
| | Figure | | | |
| minimum | Fig. 1 | | | |

Note: J219 (B-Out)--- Main CBA

- 1. Connect Oscilloscope to J219.
- 2. Input a color bar signal from RF input. Enter the Service mode. (See page 1-6-1.)
- 3. Press [0] button on the remote control unit and select C-TRAP Mode.
- 4. Press [P+/P-] buttons on the remote control unit so that the carrier leakage B-Out (4.43MHz) value becomes minimum on the oscilloscope.
- 5. Turn the power off and on again.

1-6-2 Z11PALEA

4. How to measure the standard V-ENV value of Digital Studio Picture Control

Purpose: To set the recording condition appropriate for the recording tape.

Symptom of Misadjustment: Recording or playing back picture quality may fall. The picture will be tinted.

- 1. Insert a new tape (type: TDK 180) for the DSPC alignment into the TV/VCR.
- 2. Input the black raster signal from the video input jack (VIDEO-IN).
- 3. Enter the Service Mode. (See page 1-6-1.)
- 4. To enter the DSPC mode, press [1] button on the remote control unit. Recording starts automatically and "DSPC" appears on the display.

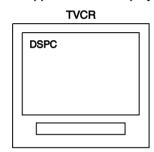
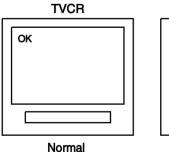


Fig. 2

- Recording continues for 10 seconds in SP mode. After that, recording starts for 10 seconds in LP mode.
- 6. The tape is rewinded to the recording start point.
- The unit enters the play mode automatically and the V-ENV levels of each SP and LP modes are memorized into the EEPROM.
- 8. "OK" appears on the screen with blueback for 5 seconds, the unit enters the stop mode, and is gone out from the factory mode.
- 9. If SYNC. and CTL are none, "NG" appears on the screen with blueback for 5 seconds, the unit ejects the cassette and is gone out from the factory mode. Or, also when the V-ENV level in either of the SP and LP mode is written, "NG" appears on the screen with blueback for 5 seconds, the unit ejects the cassette and is gone out from the factory model



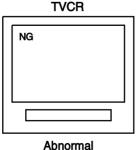


Fig. 3

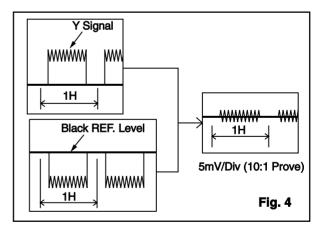
5. SECAM Black Level Adjustment

Purpose: To set Black Level of the SECAM signal R-Y/B-Y to Ref. level.

Symptom of Misadjustment: If Black Level of the SECAM signal R-Y/B-Y is incorrect, the picture is bluish or reddish in grayscale compared with PAL signal.

| Test point | Adj. Point | Mode | Input |
|-------------------|-------------------|-------|---------------------|
| Pin 1 of CN303 | P+/P- buttons | | SECAM Gray Scale |
| Tape | M. EQ. | Spec. | |
| | Pattern Generator | | |

- 1. Degauss the CRT and allow CRT to operate for 20 minutes before starting the alignment.
- 2. Input the SECAM Gray Scale signal from video input.
- 3. Enter the Service Mode. (See page 1-6-1.)
- 4. To enter the C/D/S mode, press [∠ ▼] on the remote control unit.
- To select SBR (SECAM Black Level R-Y), press [6] button on the remote control unit.
- Press [P+/P-] buttons to adjust Y signal to the black ref. level.
- 7. To select SBB (SECAM Black Level B-Y), press [7] button on the remote control unit.
- Press [P+/P-] buttons to adjust Y signal to the black ref. level.



1-6-3 Z11PALEA

6. V. Size Adjustment

Purpose: To obtain correct vertical height of screen image.

Symptom of Misadjustment: If V. Size is incorrect, vertical height of image on the screen may not be properly displayed.

| Test point | Adj. Point | Mode | Input |
|------------|-------------------|-------|-----------|
| Screen | P+/P- buttons | | Monoscope |
| Tape | M. EQ. | Spec. | |
| | Pattern Generator | 90±5% | |

- Enter the Service mode. (See page 1-6-1.)
 Press [9] button on the remote control unit and select V-S Mode. (Press [9] button then display will change to V-P and V-S).
- 2. Input monoscope pattern.
- Press [P+/P-] buttons on the remote control unit so that the monoscope pattern is 90±5% of display size and the circle is round.

7. V. Shift Adjustment

Purpose: To obtain correct vertical position of screen image.

Symptom of Misadjustment: If V. position is incorrect, vertical position of image on the screen may not be properly displayed.

| Test point | Adj. Point | Mode | Input |
|------------|-------------------|---------|-------|
| Screen | P+/P- buttons | Monosco | |
| Tape | M. EQ. | Spec. | |
| | Pattern Generator | 90±5% | |

- Enter the Service mode. (See page 1-6-1.)
 Press [9] button on the remote control unit and select V-P Mode. (Press [9] button then display will change to V-P and V-S).
- 2. Input monoscope pattern.
- 3. Press [P+/P-] buttons on the remote control unit so that the top and bottom of the monoscope pattern are equal to each other.

8. H. Shift Adjustment

Purpose: To obtain correct horizontal position and size of screen image.

Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

| Test point | Adj. Point | Mode | Input |
|------------|-------------------|-------|-----------|
| Screen | P+/P- buttons | | Monoscope |
| Tape | M. EQ. | Spec. | |
| | Pattern Generator | 90±5% | |

- Enter the Service mode. (See page 1-6-1.)
 Press [8] button on the remote control unit and select H-P Mode.
- 2. Input monoscope pattern.
- 3. Press [P+/P-] buttons on the remote control unit so that the left and right side of the monoscope pattern are equal to each other.
- 4. Turn the power off and on again.

9. Cut-off Adjustment

Purpose: To adjust the beam current of R, G, B, and screen voltage.

Symptom of Misadjustment: White color may be reddish, greenish or bluish.

| Test point | Adj. Point | Mode | Input | | |
|------------|--------------------------------|------|-----------------|--|--|
| Screen | Screen-Control P+/P-buttons | Ext. | Black Raster | | |
| Tape | M. EQ. | S | pec. | | |
| | Pattern Generator | | | | |
| | Figure | • | | | |
| | PATTERN GENERATOR EXT. INPUT | | ig. 5 | | |

1-6-4 Z11PALEA

Notes:

Screen Control (FBT) --- H.V./Power Supply CBA FBT= Fly Back Transformer Use the Remote Control Unit

- 1. Degauss the CRT and allow CRT to operate for 20 minutes before starting the alignment.
- Set the screen control to minimum position. Input the Black raster signal from RF input.
- 3. Enter the Service Mode. (See page 1-6-1.)

 Dimmed horizontal line appears on the CRT.
- 4. To enter the C/D/S mode, press the [∠ ▼] button on the remote control unit.
- 5. To enter the CUT OFF (R) mode, press [1] button on the remote control unit.
- Turn the screen control up until dimmed horizontal line appears.
- Press the [P+/P-] buttons until the horizontal line becomes white.
- 8. To enter the C/D/S mode, press the [∠] button on the remote control unit.
- 9. To enter the CUT OFF (G) mode, press [2] button on the remote control unit.
- Press the [P+/P-] buttons until the horizontal line becomes white.
- 11.To enter the C/D/S mode, press the [∠ ▼] button on the remote control unit.
- 12.To enter the CUT OFF (B) mode, press [3] button on the remote control unit.
- Press the [P+/P-] buttons until the horizontal line becomes white.
- 14.Turn the screen control so that the horizontal line adjusted white looks lightly.
- 15. Turn the power off and on again.

10. White Balance Adjustment

Purpose: To mix red, green and blue beams correctly for pure white.

Symptom of Misadjustment: White becomes bluish or reddish.

| Test point | Adj. Point | Mode | Input | | |
|-----------------------|-------------------------------------|-----------|---------------------------------|--|--|
| Screen | Screen-Control P+/P-buttons | RF | White Ras- ter (APL 100%) | | |
| Таре | M. EQ. | | Spec. | | |
| | Pattern Generator Color analyzer | See below | | | |
| | Figure | | | | |
| Color Ajalyzer Fig. 6 | | | | | |

Note: Use remote control unit

- 1. Operate the unit more than 20 minutes.
- 2. Face the unit to east. Degauss the CRT using Degaussing Coil.
- 3. Input the White Raster (APL 100%).
- 4. Set the color analyzer to the CHROMA mode and after zero point calibration, bring the optical receptor to the center on the tube surface (CRT).
- Enter the Service mode. Press [∠ ▼] button on the remote control.
- 6. Press [4] button on the remote control unit for Red adjustment. Press [5] button on the remote control unit for Blue adjustment.
- 7. In each color mode, Press [P+/P-] buttons to adjust the values of color.
- 8. Adjusting Red and Blue color so that the temperature becomes 8500K (x: 290 / y: 300) ±3%.
- At this time, Re-check that Horizontal line is white. If not, Re-adjust Cut-off Adjustment until the Horizontal Line becomes pure white.
- 10. Turn off and on again to return to normal mode. Receive APL 100% white signal and Check Chroma temperatures become 8500K (x: 290 / y: 300) ±3%.

Note: Confirm that Cut Off Adj. is correct after this adjustment, and attempt Cut Off Adj. if needed.

1-6-5 Z11PALEA

11. Sub-Brightness Adjustment

Purpose: To get proper brightness.

Symptom of Misadjustment: If Sub-Brightness is incorrect, proper brightness cannot be obtained by adjusting the Brightness Control.

| | | I | | |
|------------|----------------------|-----------|----------------------------------|--|
| Test point | Adj. Point | Mode | Input | |
| Screen | P+/P- buttons | | SYMPTE | |
| Таре | M. EQ. | S | pec. | |
| | Pattern Generator | See below | | |
| | Figure | | | |
| White | | ABC | This bar (A) just visible Fig. 7 | |

Note: Bar (A) in Fig. 7 --- 0 IRE

- 1. Enter the Service Mode. (See page 1-6-1.) Then input SYMPTE signal from RF input.
- Press MENU button. (Each time MENU button is pressed, display will change BRT, CNT, COL, TNT, and SHP in that order.) Select BRT and press [P+/ P-] buttons so that the bar (A) in Fig. 7 is just visible.
- 3. Turn the power off and on again.

12. Setting for CONTRAST, COLOR, TINT and SHARP Data Values

General

- 1. Enter the Service mode, (See page 1-6-1)
- Press MENU button. (Each time MENU button is pressed, display will change BRT, CNT, COL, TNT, and SHP in that order.)

CONTRAST (CNT)

- 1. Press "MENU" button on the remote control unit. Then select CNT display.
- Press [P+/P-] buttons on the remote control unit so that the value of "CONTRAST" (CNT) becomes 85.

COLOR (COL)

- 1. Press "MENU" button on the remote control unit. Then select "COLOR" (CLR) display.
- 2. Press [P+/P-] buttons on the remote control unit so that the value of "COLOR" (COL) becomes 55.

TINT (TNT)

- 1. Press "MENU" button on the remote control unit. Then select "TINT" (TNT) display.
- 2. Press [P+/P-] buttons on the remote control unit so that the value of "TINT" (TNT) becomes 57.

SHARP (SHP)

- 1. Press "MENU" button on the remote control unit. Then select "SHARP" (SHP) display.
- 2. Press [P+/P-] buttons on the remote control unit and select "1."

1-6-6 Z11PALEA

13. Focus Adjustment

Purpose: Set the optimum Focus.

Symptom of Misadjustment: If Focus Adjustment is incorrect, blurred images are shown on the display.

| Test point | Adj. Point | Mode Input | | |
|------------|-------------------|------------|--|--|
| Screen | Focus Control | Monosco | | |
| Tape | M. EQ. | Spec. | | |
| | Pattern Generator | See below. | | |

Note: Focus VR (FBT) --- H.V./Power Supply CBA FBT= Fly Back Transformer

- 1. Operate the unit more than 30 minutes.
- 2. Face the unit to the East and degauss the CRT using a Degaussing Coil.
- 3. Input the monoscope pattern.
- 4. Adjust the Focus Control on the FBT to obtain clear picture.

14. Head Switching Position Adjustment

Purpose: Determine the Head Switching Point during Playback.

Symptom of Misadjustment: May cause Head Switching Noise or Vertical Jitter in the picture.

Note: Unit reads Head Switching Position automatically and displays it on the screen (Upper Left Corner).

- Enter the Service Mode. (See page 1-6-1.)
 Then press the number [5] button on the remote control unit.
- 2. Playback the test tape (FL6A).
- The Head Switching position will display on the screen; if adjustment is necessary follow step 4. 6.5H(412.7μs) is preferable.
- 4. Press [P+/P-] buttons on the remote control unit if necessary. The value will be changed in 0.5H steps up or down. Adjustable range is up to 9.5H. If the value is beyond adjustable range, the display will change as:

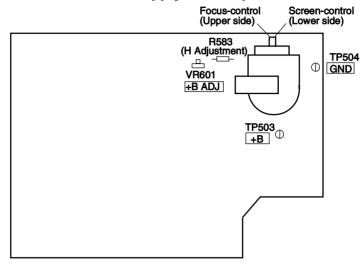
Lower out of range: 0.0H Upper out of range: -.-H

5. Turn the power off and on again.

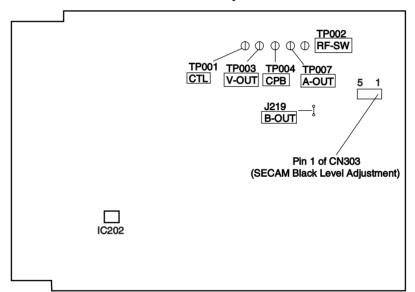
1-6-7 Z11PALEA

Adjustment Points and Test Points

H.V./Power Supply CBA Top View



Main CBA Top View



TEST POINT INFORMATION

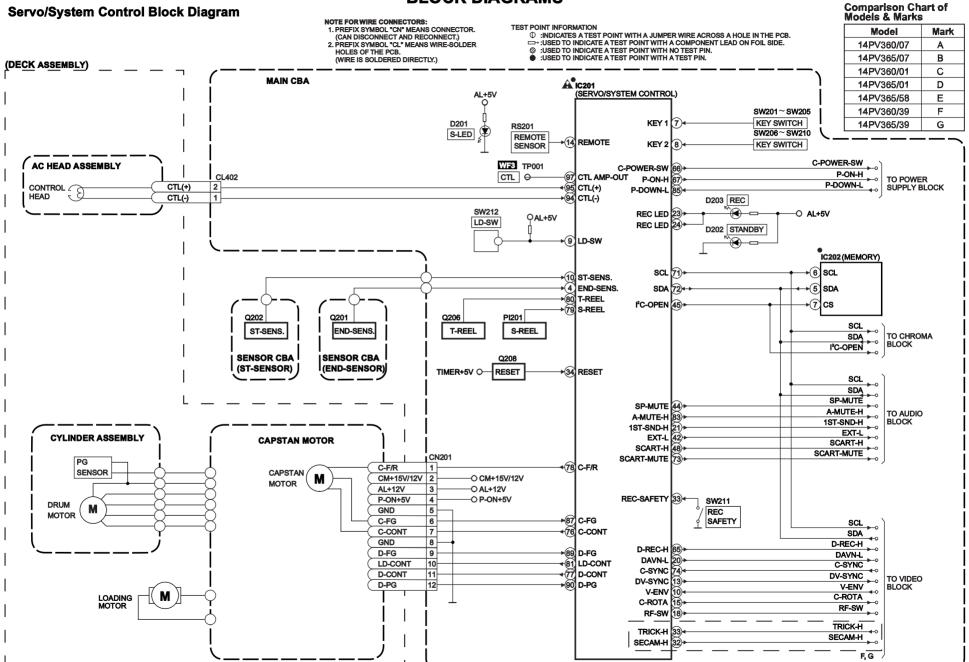
 \bigcirc : Indicates a test point with a jumper wire across a hole in the PCB.

TEST POINTS NOT USED IN ELECTRICAL ADJUSTMENTS

| Test Point | Used in: | Page No. |
|------------|------------------------------------|--------------|
| TP001 | Mechanical Alignment Procedures | 2-3-3 |
| TP002 | Mechanical Alignment Procedures | 2-3-3, 2-3-4 |
| TP004 | Mechanical Alignment Procedures | 2-3-3, 2-3-4 |
| TP503 | Electrical Adjustment Instructions | 1-6-1 |
| TP504 | Electrical Adjustment Instructions | 1-6-1 |

1-6-8 Z11PALEA





" • " = SMD

Comparison Chart of Models & Marks

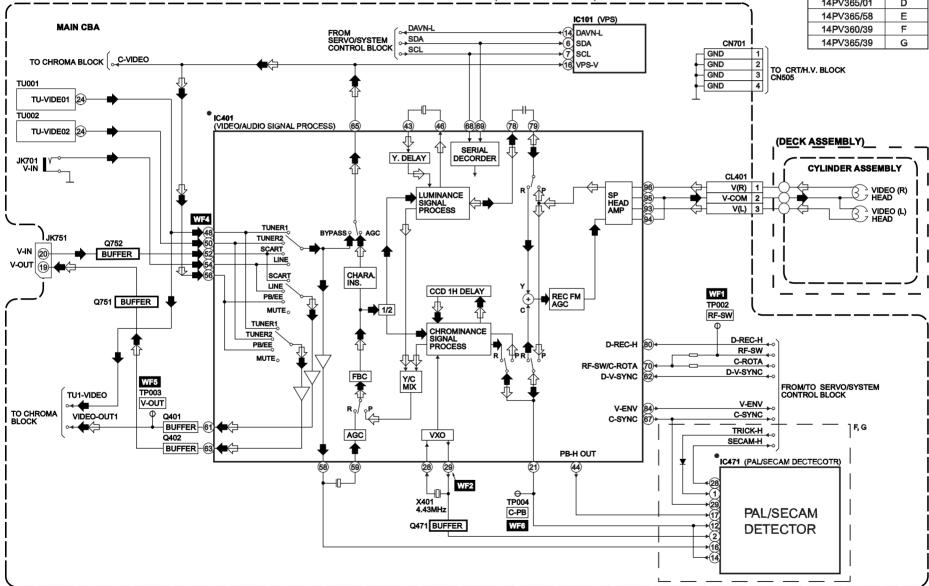
NOTE FOR WIRE CONNECTORS:

1. PREFIX SYMBOL "CN" MEANS CONNECTOR. TEST POINT INFORMATION 1. PRE-TIX SYMBOL "CUT MEANS CONNECT OR. (CAN DISCONNECT AND RECONNECT.) 2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

② :USED TO INDICATE A TEST POINT WITH NO TEST PIN.

:USED TO INDICATE A TEST POINT WITH A TEST PIN.

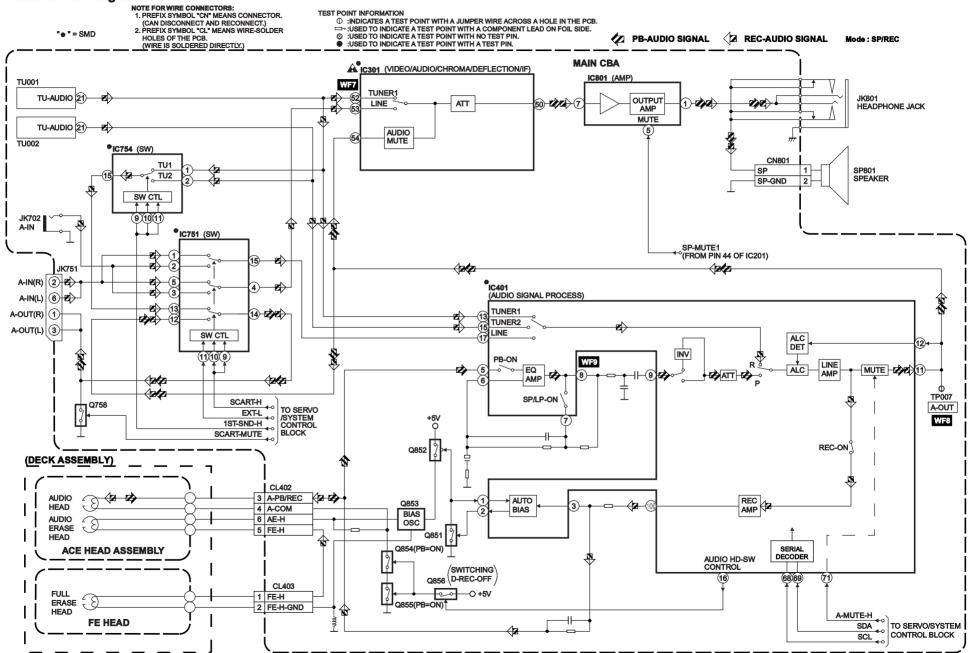
| Model | Mark |
|------------|------|
| 14PV360/07 | Α |
| 14PV365/07 | В |
| 14PV360/01 | C |
| 14PV365/01 | D |
| 14PV365/58 | Е |
| 14PV360/39 | F |
| 14PV365/39 | G |



REC-VIDEO SIGNAL 🖒 PB-VIDEO SIGNAL

MODE: SP/REC

Audio Block Diagram



1-7-5 1-7-6 T6300BLA

Chroma Block Diagram

" . " = SMD

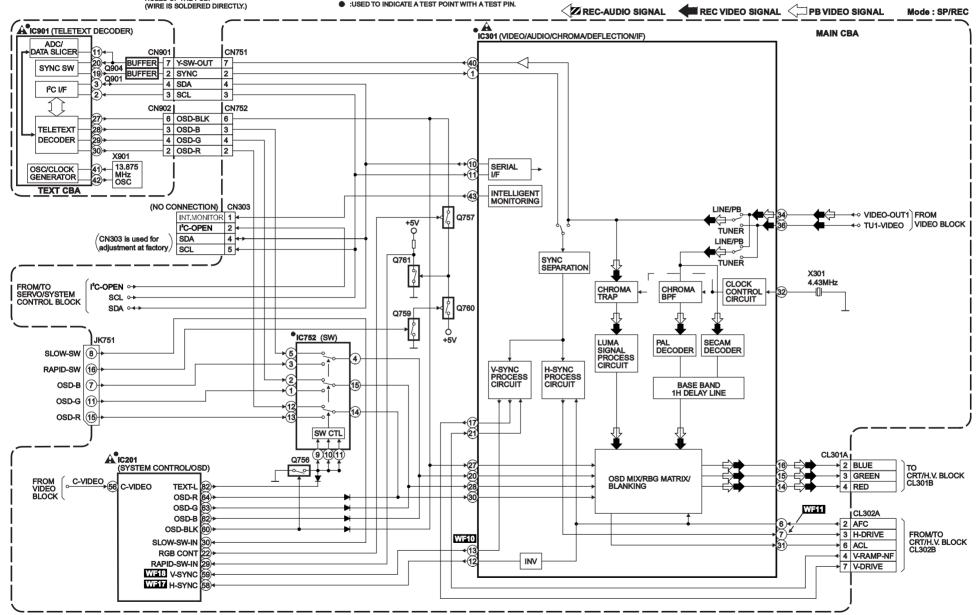
NOTE FOR WIRE CONNECTORS:

1. PREFIX SYMBOL "CN" MEANS CONNECTOR.
(CAN DISCONNECT AND RECONNECT.)

2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB.

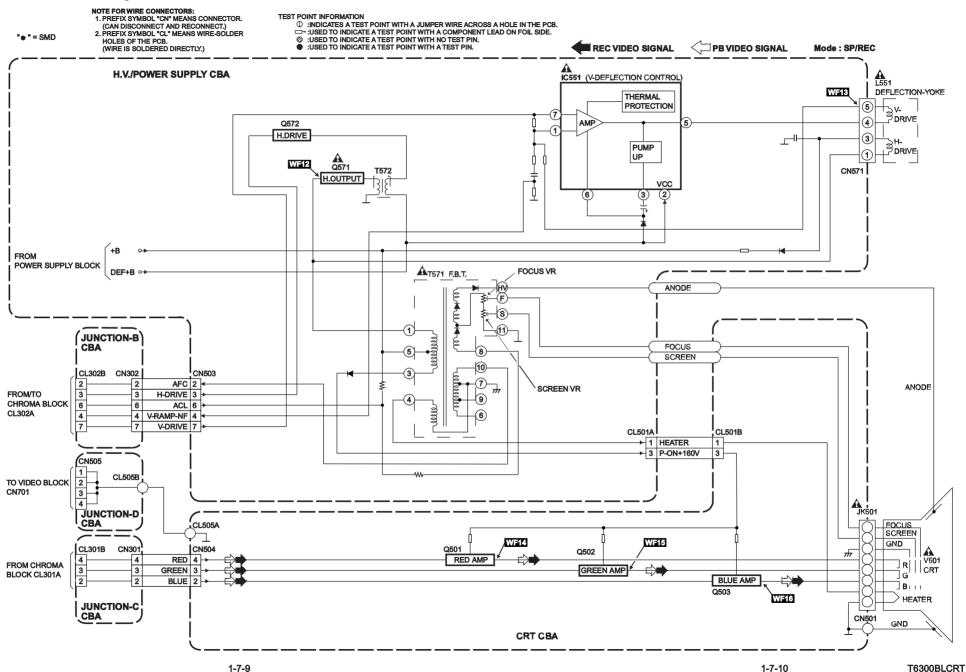
TEST POINT INFORMATION

- □ :INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.
 □ :JUSED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
- USED TO INDICATE A TEST POINT WITH NO TEST PIN.
- :USED TO INDICATE A TEST POINT WITH A TEST PIN.



1-7-7

CRT/H.V. Block Diagram



Power Supply Block Diagram

CAUTION !Fixed voltage power supply circuit is used in this unit.

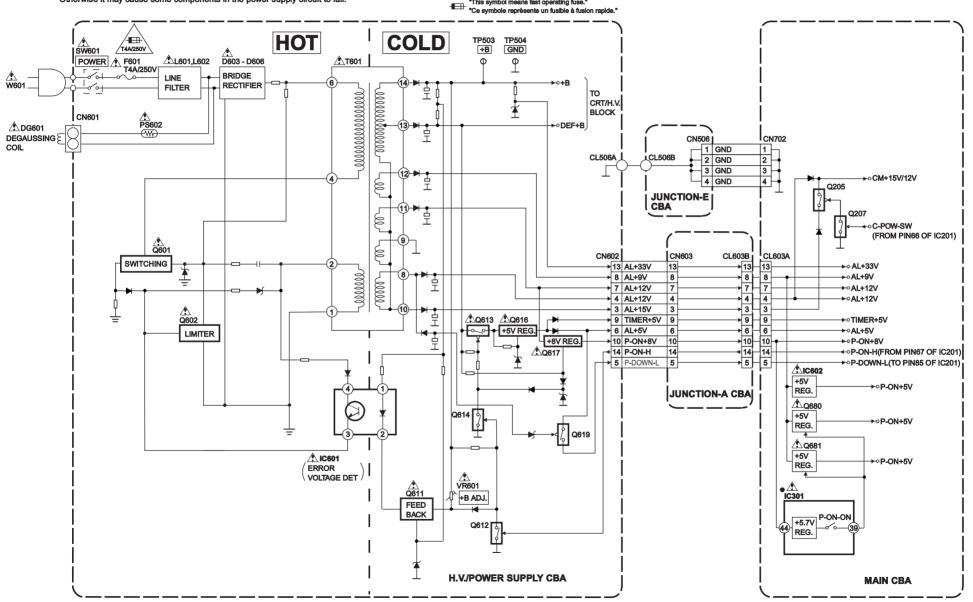
If Main Fuse (F601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.



CAUTION FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE. ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQES D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE. RISK OF FIRE-REPLACE FUSE AS MARKED.

"This symbol means fast operating fuse."

The voltage for parts in hot circuit is measured using hot GND as a common terminal.



MECHANICAL TROUBLE INDICATOR

1, Each Malfunction Indication

If the MONITOR is turned ON right after the Mechanical Malfunction occurs or POWER SAFETY/X-RAY is turned ON, display the following character to show Malfunction after the EJECT display.

| Immediately preceding Malfunction | Display character |
|--------------------------------------|-------------------|
| REEL Malfunction | R |
| DRUM Malfunction | D |
| CASSETTE LOADING Mal- function | С |
| TAPE LOADING Malfunction | Т |
| P-SAFETY 1 | 1 |
| P-SAFETY 2 | 2 |
| X-RAY | х |

Example: If REEL Malfunction

EJECT R

2, Each Malfunction evaluation method

X-RAY protect

If X-RAY port becomes continuously 2.5V or more for 120 msec. (4 times 40 msec. interval), the unit shall immediately turn OFF the POWER/MONITOR and switch over to the Mechanical Malfunction mode with POWER OFF.

(To return from this mode shall become possible only by POWER Key as in the case of the Mechanical Malfunction).

POWER SAFETY

1) POWER SAFETY 1

If P-SAFETY 1 port becomes continuously 2.5V or less for 120 msec. (4 times 40 msec. interval) when MONITOR is ON, the unit shall be assumed to be the Power Malfunction 1 and immediately turn OFF the POWER/MONITOR and switch over the Mechanical Malfunction mode with POWER OFF.

(To return from this mode shall become possible only by POWER Key as in the case of the Mechanical Malfunction).

- * However the POWER SAFETY 1 function shall be disabled during 500 msec. right after the MONI-TOR turns ON.
- 2) POWER SAFETY 2

If P-SAFETY 2 port becomes continuously 2.5V or less for 120 msec. (4 times 40 msec. interval) when P-ON-H port is ON, the unit shall be assumed to be the Power Malfunction 2 and immediately tum OFF the POWER/MONITOR and switch over the Mechanical Malfunction mode with POWER OFF.

(To return from this mode shall become possible only by POWER Key as in the case of the Mechanical Malfunction).

* However the POWER SAFETY 2 function shall be disabled during 500 msec. right after the P-ON-H port turns ON.

Mechanical Malfunction determination

1) REEL Malfunction detection

Countermeasure for REEL and CAPSTAN motor rotation malfunction (Except CASSETTE LOAD-ING function)

After the Malfunction detection with REEL/CAP-STAN sensor, the unit shall switch over to STOP (B) and be REEL Mechanical Malfunction.

- a) If the T-REEL pulse is not impressed after a lapse of 7 sec. at SP, 14 sec. at LP, or more in the REEL Rotation Mode like PLAY/REC, FS/RS Mode, and the T-REEL or S-REEL pulse is not impress after a lapse of 4 sec. or more in REEL Rotation Mode of FF/REW, it shall be assumed to stop the rotation and switch over to STOP (B) position, then POWER be turned OFF and the unit be REEL Mechanical Malfunction. (T-REEL and S-REEL for the models on S-REEL and only T-REEL for other models)
- b) If the C-FG pulse is not impressed for a lapse of 1 sec. or more during the CAPSTAN MOTOR rotation, it shall be MOTOR Rotation Malfunction (REEL Malfunction).
- 2) DRUM Malfunction detection

Detect the DRUM rotation at the D-FG input terminal.

If the variation of D-FG input level is not detected for a lapse of 1 sec. or more when D-CONT is "H", it shall be assumed to be Rotation Malfunction and be DRUM Malfunction.

When detect Drum Malfunction, POWER shall be turned OFF after the unit switches over to STOP (B) Mode.

- Countermeasure for TAPE LOADING Malfunction
 Detect the Malfunction with the LOADING Switch.
- a) TAPE LOADING Malfunction

If LD-SW does not go to the established position after a lapse of 7 sec. or more from TAPE LOAD-ING or TAPE UNLOADING start, the LOADING function shall immediately be stopped and POWER be turned OFF, and inform the Timer about the LOADING Mechanical Malfunction.

b) LD-SW Position Malfunction at each mode

When the unit operates at each mode, even if the LD-SW position changes from the established one in its mode, it keeps the function according to its mode.

- Countermeasure for CASSETTE LOADING Malfunction
- a) CASSETTE IN operating Malfunction

If LD-SW does not go to SB position after a lapse of 5 sec. or more from the CASSETTE insertion start, the unit starts the CASSETTE OUT operation.

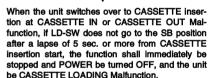
After switch over to CASSETTE OUT operation and then a laps of 5 sec. or more from the CASSETTE OUT operation start, if LD-SW does not go to the EJ position or if START Sensor and END Sensor does not turn "ON" at the EJ position, the unit starts again to insert CASSETTE.

(However in S-INH state, the START/END Sensor shall be disabled).

b) CASSETTE OUT operating Malfunction

After a lapse of 5 sec. or more from CASSETTE OUT operation start, if LD-SW does not go to the EJ position or if START Sensor and END Sensor does not turn "ON" at the EJ position, the unit starts to insert CASSETTE.

(However in S-INH state, the START/END Sensor shall be disabled).



- c) When POWER is turned ON, if the CL position or GC position cannot be detected after 5 sec. LD-REV operation and 5 sec. LD-FWD operation, the function shall immediately be stopped and POWER be turned OFF, and the unit be CASSETTE LOAD-ING Malfunction.
- d) When POWER is turned ON without CASSETTE (EJ position) and LD-SW is monitored all the time, if the CL or GC position is detected continuously for 1 sec. or more, the POWER shall be turned OFF and the unit be CASSETTE LOADING Malfunction.

Countermeasure for Mechanical Malfunction

If the unit detects Mechanical Malfunction, turn the POWER OFF. If the unit is Mechanical Malfunction, Key input except POWER key shall be disabled and CASSETTE insertion disabled. When POWER Key is entered, the POWER is turned ON and the unit switches over the EJECT Mode. (Return with POWER ON)

1-7-13 T6300MTI 1-7-14 T6300MTI

SCHEMATIC DIAGRAMS / CBA'S AND TEST POINTS

Standard Notes

WARNING

Many electrical and mechanical parts in this chassis have special characteristics. These characteristics often pass unnoticed and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage. etc. Replacement parts that have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the mark " A " in the schematic diagram and the parts list. Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts that do not have the same safety characteristics as specified in the parts list may create shock, fire, or other hazards.

Capacitor Temperature Markings

| Mark | Capacity change rate | Standard temperature | Temperature range |
|------|----------------------|----------------------|-------------------|
| (B) | ±10% | 20°C | -25~+85°C |
| (F) | +30 - 80% | 20°C | –25~+85°C |
| (SR) | ±15% | 20°C | –25~+85°C |
| (Y) | ±22.5% | 20°C | –25~+85°C |

Capacitors and transistors are represented by the following symbols.

< PCB Symbols > (Top View) (Bottom View) Electrolytic Capacitor





ECB

(Top View) PNP Transistor ECB (Top View) PNP Digital Transistor ECB

Notes:

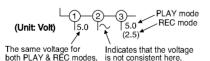
- 1. Do not use the part number shown on these drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since these drawings were prepared.
- 2. To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.
- 3. Prefix symbol "CN" means "connector" (can disconnect and reconnect). Prefix symbol "CL" means "wire-solder holes of the PCB" (wire is soldered directly).
- 4. How to read converged lines.

1-D3

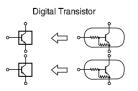




- (1). "1-D3" means that line number "1" goes to area "D3."
- (2). "1-B1" means that line number "1" goes to area "B1."
- 5. All resistance values are indicated in ohms $(K=10^3, M=10^6).$
- 6. Resistor wattages are 1/4W or 1/6W unless otherwise specified.
- 7. All capacitance values are indicated in µF (P=10⁻⁶ μF).
- 8. All voltages are DC voltages unless otherwise specified.
- 9. Voltage indications for PLAY and REC modes on the schematics are as shown below.



< Schematic Diagram Symbols >



1-8-1 SC_08

Main 1/4 Schematic Diagram Parts Location Guide

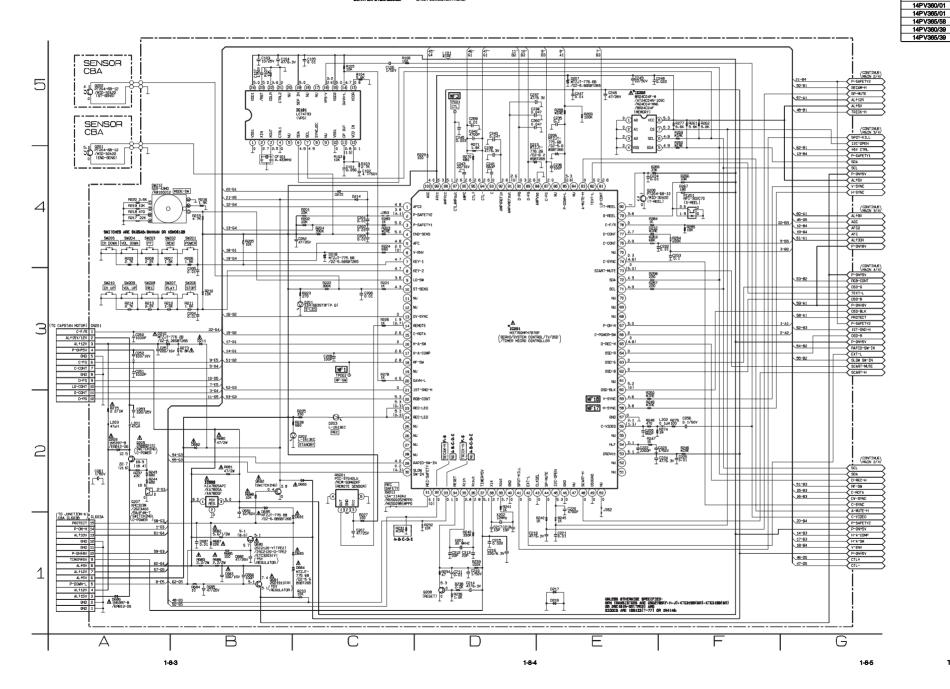
| Ref No. | Position | Ref No. | Position |
|---------|----------|---------|----------|---------|----------|---------|----------|-----------|-----------|
| CAPA | CITORS | CAPAC | CITORS | DIO | DES | RESIS | TORS | RESIS | TORS |
| C101 | C-4 | C247 | E-5 | D686 | A-1 | R218 | A-4 | R271 | D-5 |
| C102 | C-4 | C248 | F-5 | Ю | S | R219 | A-4 | R273 | B-3 |
| C103 | B-5 | C249 | E-5 | IC101 | C-5 | R220 | A-4 | R274 | F-2 |
| C104 | B-5 | C250 | A-3 | IC201 | D-3 | R221 | C-3 | R275 | A-2 |
| C105 | C-5 | C251 | A-3 | IC202 | E-5 | R222 | C-3 | R276 | F-2 |
| C106 | C-5 | C252 | A-3 | IC802 | B-2 | R223 | C-3 | R277 | F-5 |
| C107 | B-5 | C253 | A-2 | CC | ILS | R224 | C-4 | R278 | C-5 |
| C201 | C-4 | C255 | E-2 | L101 | C-5 | R225 | C-2 | R283 | C-4 |
| C202 | C-4 | C256 | F-2 | L201 | A-2 | R226 | C-3 | R284 | E-4 |
| C203 | C-4 | C257 | A-3 | L202 | F-2 | R227 | C-1 | R285 | F-4 |
| C204 | B-3 | C259 | D-5 | L203 | A-2 | R228 | C-2 | R680 | B-2 |
| C205 | B-3 | C260 | D-5 | TRANS | ISTORS | R229 | D-4 | R681 | B-2 |
| C206 | C-3 | C261 | A-2 | Q201 | A-4 | R231 | C-1 | R682 | B-1 |
| C207 | C-1 | C262 | C-4 | Q202 | A-5 | R232 | D-1 | R683 | B-1 |
| C208 | C-3 | C681 | B-2 | Q205 | A-2 | R233 | C-1 | R684 | B-1 |
| C210 | D-1 | C682 | B-1 | Q206 | E-4 | R234 | D-1 | R685 | B-1 |
| C211 | D-1 | C683 | B-1 | Q207 | A-2 | R236 | D-1 | R686 | B-1 |
| C212 | D-1 | C684 | B-1 | Q208 | D-1 | R237 | A-2 | R687 | B-1 |
| C213 | D-1 | C685 | B-1 | Q680 | B-1 | R238 | D-1 | R688 | B-2 |
| C214 | D-1 | C687 | B-1 | Q681 | B-1 | R239 | D-1 | SWI | TCHES |
| C215 | D-1 | CONNE | CTORS | Q682 | B-2 | R240 | D-1 | SW201 | B-4 |
| C216 | D-1 | CN201 | A-3 | RESIS | TORS | R241 | D-2 | SW202 | A-4 |
| C217 | D-1 | CL603A | A-1 | R102 | C-4 | R242 | E-1 | SW203 | A-4 |
| C218 | D-1 | DIO | DES | R103 | C-4 | R243 | A-2 | SW204 | A-4 |
| C219 | D-1 | D201 | C-3 | R104 | C-5 | R244 | A-2 | SW205 | A-4 |
| C220 | E-2 | D202 | C-2 | R105 | C-5 | R245 | E-1 | SW206 | B-3 |
| C221 | E-1 | D203 | C-2 | R106 | C-5 | R246 | F-2 | SW207 | A-3 |
| C222 | E-2 | D206 | E-5 | R107 | B-5 | R247 | E-2 | SW208 | A-3 |
| C223 | F-2 | D207 | E-5 | R201 | C-4 | R248 | E-2 | SW209 | A-3 |
| C224 | F-2 | D208 | A-2 | R202 | C-4 | R249 | E-2 | SW210 | A-3 |
| C225 | F-2 | D210 | A-3 | R203 | C-4 | R250 | E-2 | SW211 | C-2 |
| C232 | F-4 | D211 | B-3 | R204 | C-4 | R257 | E-3 | SW212 | A-4 |
| C233 | F-4 | D212 | E-4 | R205 | B-4 | R258 | E-3 | TEST | POINTS |
| C234 | E-4 | D213 | D-5 | R206 | B-4 | R259 | F-5 | TP001 | D-5 |
| C235 | E-5 | D214 | C-4 | R207 | A-4 | R260 | F-5 | TP002 | C-3 |
| C236 | E-4 | D215 | C-4 | R208 | A-4 | R261 | F-5 | CRYSTAL C | SCILATORS |
| C237 | D-5 | D216 | E-1 | R209 | A-4 | R262 | F-5 | X201 | D-1 |
| C238 | D-5 | D217 | E-1 | R210 | B-3 | R263 | E-4 | X202 | D-1 |
| C239 | D-4 | D218 | C-4 | R211 | B-3 | R264 | F-4 | MISCEL | LANEOUS |
| C240 | D-5 | D680 | C-2 | R212 | A-3 | R265 | E-4 | CF101 | B-4 |
| C241 | D-4 | D681 | C-1 | R213 | A-3 | R266 | F-4 | PI201 | F-4 |
| C242 | D-5 | D682 | B-2 | R214 | A-3 | R267 | F-4 | RS201 | C-2 |
| C243 | D-4 | D683 | C-1 | R215 | B-4 | R268 | E-5 | | |
| C245 | D-5 | D684 | C-1 | R216 | B-4 | R269 | E-5 | | |
| C246 | E-5 | D685 | B-2 | R217 | A-4 | R270 | D-4 | 1 | |

VOLTAGE CHART (Power off mode)

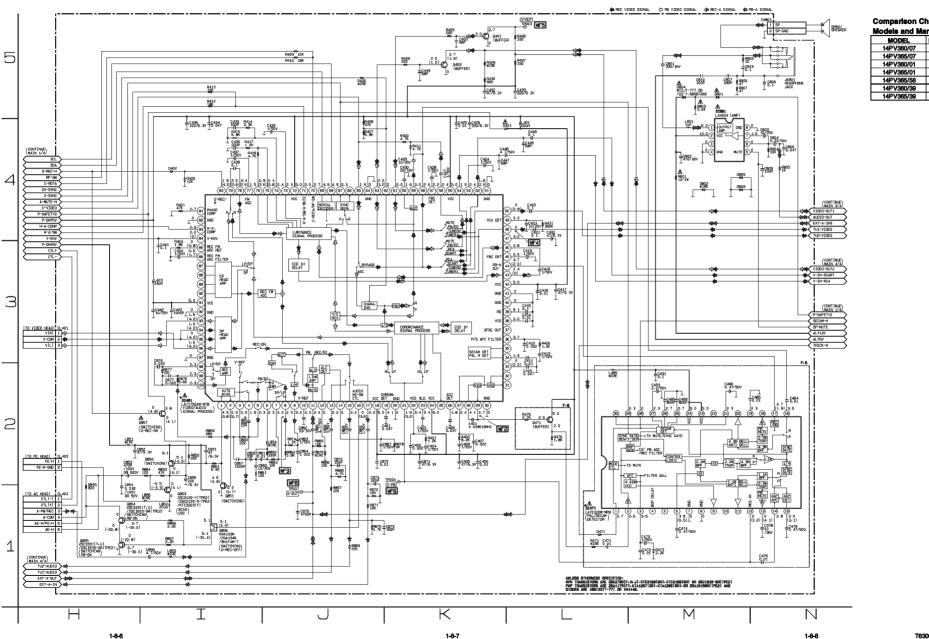
| Ref. No. | 1 | 2 | 3 |
|----------|-----|-----|-----|
| IC602 | 3.2 | 0 | 1.9 |
| Ref. No. | E | С | В |
| Q680 | 1.6 | 3.2 | 2.1 |
| Q681 | 2.1 | 3.1 | 1.5 |
| Q682 | 0 | 1.0 | 0 |

'•'= SI









| Models and Marks | | | | |
|------------------|------|--|--|--|
| MODEL | MARK | | | |
| 14PV360/07 | Α | | | |
| 14PV365/07 | В | | | |
| 14PV360/01 | C | | | |
| 14PV365/01 | D | | | |
| 14PV365/58 | Е | | | |
| 14PV360/39 | F | | | |
| | | | | |

Main 2/4 Schematic Diagram Parts Location Guide

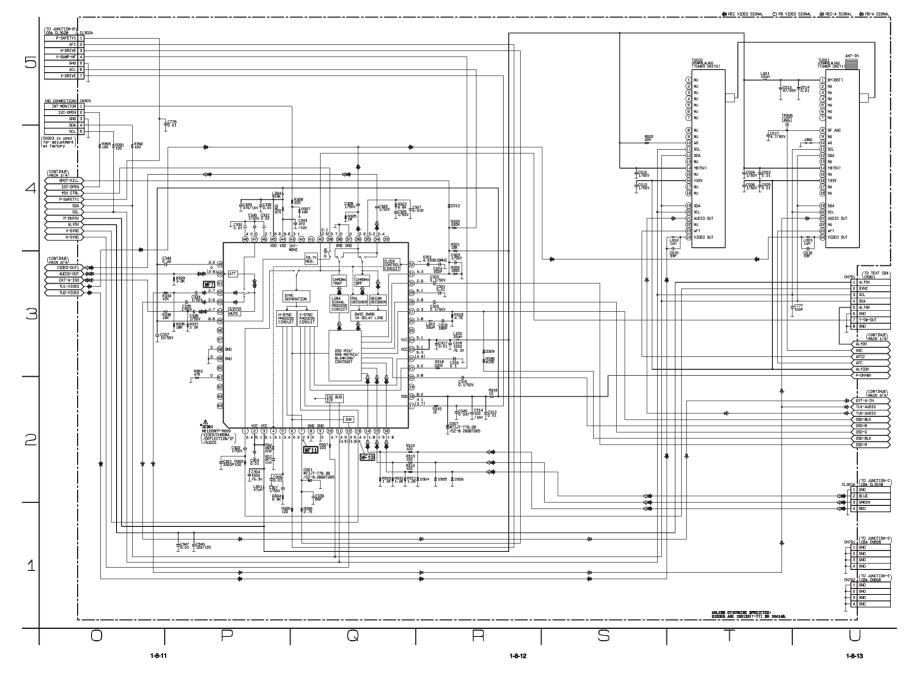
| Ref No. | Position | Ref No. | Position |
|--------------|------------|--------------|------------|--------------|------------|--------------|------------|-----------|-----------|
| | CITORS | CAPAC | | | CITORS | | TORS | | TORS |
| C401 | J-2 | C452 | K-5 | C874 | J-2 | R406 | J-5 | R867 | J-1 |
| C402 | K-2 | C471 | L-1 | C875 | J-1 | R407 | J-4 | R868 | J-2 |
| C403 | K-2 | C472 | M-1 | C876 | 1-3 | R408 | J-4 | R869 | J-1 |
| C404 | K-2 | C473 | M-1 | C877 | I-2 | R409 | J-5 | R870 | J-1 |
| C405 | K-2 | C474 | M-1 | | CTORS | R410 | J-5 | R871 | J-1 |
| C406 | K-2 | C475 | N-1 | CN801 | N-5 | R411 | K-4 | R872 | J-1 |
| C407 | K-2 | C478 | N-1 | CL401 | H-3 | R412 | I-5 | R874 | J-2 |
| C408 | K-2 | C479 | N-1 | CL402 | H-1 | R413 | I-5 | R875 | J-2 |
| C409 | K-2 | C484 | N-2 | CL403 | H-2 | R414 | I-4 | R876 | I-2 |
| C410 | L-2 | C485 | N-2 | DIO | DES | R415 | 14 | R877 | I-2 |
| C411 | L-3 | C486 | M-2 | D401 | K-4 | R416 | 14 | R878 | K-2 |
| C412 | L-3 | C488 | M-2 | D402 | 14 | R417 | 1 | CRYSTAL (| OSCILATOR |
| C413 | L-3 | C489 | M-2 | D471 | L-1 | R420 | 4 | X401 | K-2 |
| C414 | L-3 | C491 | M-2 | D801 | M-5 | R421 | 14 | TEST | POINTS |
| C415 | L-3 | C493 | M-2 | D802 | M-4 | R424 | I-3 | TP003 | L-5 |
| C416 | L-3 | C801 | M-5 | D804 | M-5 | R425 | K-5 | TP004 | K-2 |
| C417 | L-3 | C802 | M-4 | D805 | M-4 | R426 | L-5 | TP007 | J-1 |
| C418 | L-3 | C803 | N-4 | D806 | M-4 | R427 | L-5 | MISCEL | LANEOUS |
| C419 | L-3 | C804 | N-4 | IC | s | R428 | K-5 | JK801 | N-5 |
| C420 | L-4 | C805 | N-4 | IC401 | I-2 | R429 | K-5 | | |
| C421 | L-4 | C806 | N-5 | IC471 | L-1 | R430 | K-5 | 1 | |
| C422 | L-4 | C807 | M-5 | IC801 | M-5 | R431 | L-4 | | |
| C423 | L-4 | C809 | N-4 | 00 | ILS | R471 | L-1 |] | |
| C424 | K-4 | C810 | M-5 | L401 | L-4 | R473 | M-1 | | |
| C425 | K-4 | C813 | M-5 | L403 | I-3 | R475 | L-2 | | |
| C426 | K-4 | C851 | I-2 | L485 | L-2 | R476 | L-2 | ļ | |
| C427 | K-4 | C852 | H-2 | L801 | M-4 | R801 | M-5 | | |
| C428 | K-4 | C853 | H-2 | L851 | H-2 | R802 | M-5 | | |
| C429 | K-4 | C854 | H-1 | L852 | I-1 | R803 | M-5 | | |
| C430 | K-4 | C855 | I-2 | L853 | I-1 | R804 | N-4 | | |
| C432 | J-4 | C856 | J-2 | L854 | J-2 | R805 | N-4 | | |
| C433 | 14 | C857 | I-2 | L856 | I-1 | R806 | M-5 | | |
| C434 | 14 | C858 | I-1 | | ISTORS | R807 | M-5 | l | |
| C435 | H4 | C859 | I-2 | Q401 | K-5 | R851 | I-2 | l | |
| C436 | H4 | C860 | I-2 | Q402 | K-5 | R852 | I-2 | l | |
| C437 | 14 | C861 | I-2 | Q471 | L-2 | R853 | I-2 | l | |
| C438 | H4 | C862 | J-2 | Q851 | I-1 | R854 | I-2 | l | |
| C439 | I-5 | C863 | J-2 | Q852 | I-2 | R855 | H-2 | l | |
| C441 | I-3 | C864 | J-2 | Q853 | 114 | R856 | H | ł | |
| C442 | I-3 | C865 | J-2 | Q854 | H-1 | R857 | I-1 | ł | |
| C443 | I-3 | C866 | J-2 | Q855 | H-1 | R859 | I-2 | l | |
| C444 | I-3 | C867 | J-2 | Q856 | I-1 I-2 | R860 | I-2 I-2 | ł | |
| C445 | L-4 | C868 | J-1 | Q857 | TORS | R861 | J-2 | l | |
| C446 | L-4 | C869 | J-1 | | | R862 | J-2 J-2 | ł | |
| C447 | K-4 K-4 | C870 | J-2 K-2 | R400 | K-4 K-2 | R863 | J-2 J-2 | ł | |
| C448 | K-4 K-5 | C871 | J-2 | R401 | K-2 K-2 | R864 | J-2 J-2 | l | |
| C449 C450 | K-5 | C872 C873 | J-2 K-1 | R402 R405 | L-3 | R865 R866 | J-2 J-2 | ł | |
| CHOU | N•0 | COIS | I Nº I | I PANOD | LO | NOOU | J-2 | j | |

Main 3/4 Schematic Diagram Parts Location Guide

| Ref No. | Position | Ref No. | Position | Ref No. | Position | Ref No. | Position | |
|---------|----------|---------|----------|------------------|----------------|---------|-------------|--|
| CAPAC | ITORS | CAPAC | CITORS | DIO | DES | RESIS | TORS | |
| C003 | S-4 | C323 | R-3 | D301 | Q-2 | R314 | Q-2 | |
| C004 | S-4 | C324 | R-3 | D304 | R-2 | R315 | R-2 | |
| C005 | S-4 | C325 | Q-4 | D305 | R-2 | R316 | R-3 | |
| C006 | S-4 | C326 | Q-4 | D306 | R-2 | R318 | R-3 | |
| C009 | T-4 | C327 | Q-4 | D307 | R-2 | R319 | R-3 | |
| C010 | T-4 | C328 | Q-4 | D309 | R-3 | R320 | R-3 | |
| C011 | T-4 | C329 | P-4 | D312 | R-4 | R321 | R-4 | |
| C012 | T-4 | C330 | P-4 | ŀ | C | R322 | R-4 | |
| C013 | T-5 | C331 | P-4 | IC301 | P-2 | R323 | Q-4 | |
| C014 | U-5 | C332 | P-4 | 00 | ILS | R325 | Q-4 | |
| C015 | T-4 | C334 | P-3 | L001 | T-5 | R327 | Q-4 | |
| C016 | U-3 | C335 | P-3 | L002 | T-4 | R328 | Q-4 | |
| C017 | T-4 | C336 | P-3 | L003 | U-4 | R329 | P-3 | |
| C301 | P-2 | C337 | 0-3 | L301 | P-2 | R334 | 0-3 | |
| C302 | P-2 | C339 | Q-2 | L302 | R-3 | R335 | P-3 | |
| C303 | P-2 | C340 | P-4 | L303 | R-3 | R336 | 0-3 | |
| C304 | P-2 | C343 | Q-4 | L304 | P-4 | R337 | P-3 | |
| C305 | P-2 | C344 | 0-3 | RESIS | TORS | R338 | R-3 | |
| C306 | P-2 | C345 | R-2 | R002 | s 4 | R352 | P-4 | |
| C307 | P-2 | C346 | P-1 | R302 | P-2 | R353 | P-3 | |
| C313 | R-2 | C347 | P-1 | R303 | P-2 | R391 | 0-4 | |
| C314 | R-2 | C777 | U-3 | R304 | P-2 | R392 | 0-4 | |
| C315 | R-2 | C778 | P-5 | R305 | P-1 | R393 | 0-4 | |
| C316 | R-3 | CONNE | CTORS | R306 Q-1 CRYSTAL | | CRYSTAL | OSCILATOR | |
| C317 | R-3 | CN303 | 0-5 | R307 | Q-2 | X301 | R-3 | |
| C318 | R-3 | CN701 | U-1 | R309 | Q-2 | MISCEL | LANEOUS | |
| C319 | R-3 | CN702 | U-1? | R310 | Q-2 | TU001 | U-5 | |
| C320 | R-3 | CN751 | U-3 | R311 | Q-2 | TU002 | F-5 | |
| C321 | R-3 | CL301A | U-2 | R312 | Q-2 | TEST | TEST POINTS | |
| C322 | R-3 | CL302A | 0-5 | R313 | Q-2 | TP006 | T-5 | |

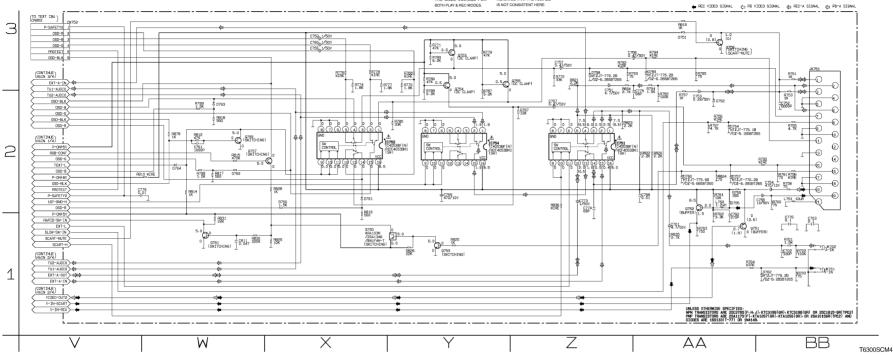
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T6300SCM3

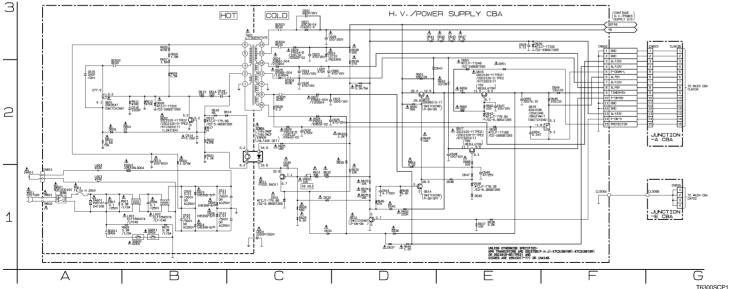




1-8-15

H.V./Power Supply 1/2 Schematic Diagram

1-8-14



CAUTION!

CAUTION!

Fixed voltage power supply circuit is used in this unit.

If Main Fuse (F601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.

CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD. REPLACE ONLY WITH THE SAME TYPE FUSE.

The voltage for parts in hot circuit is measured using hot GND as a common terminal.

VOLTAGE CHART (Power off mode)

| Ref. No. | 1 | | 2 | 3 | | 4 |
|----------|------|--|------|-----|-----|------|
| IC601 | 13.3 | | 12.2 | 0.1 | | 0.8 |
| Ref. No. | S | | - | 0 | | G |
| Q601 | 0 | | 27 | 9.2 | | 2.8 |
| Ref. No. | E | | (| | | В |
| Q602 | 0 | | 2 | .8 | | 0 |
| Q611 | 6.7 | | 12.2 | | | 7.0 |
| Q612 | 0 | | 7 | .6 | | 0 |
| Q613 | 9.4 | | 9.3 | | | 8.6 |
| Q614 | 0 | | 0 | | | 0.7 |
| Q616 | 5.9 | | 8.0 | | 6.6 | |
| Q617 | 3.7 | | 5 | 5.4 | | 1.4 |
| Q619 | 5.1 | | 5 | .1 | | -1.6 |

Main 4/4 & H.V./Power Supply 1/2 Schematic Diagram Parts Location Guide

MAIN 4/4 SCHEMATIC DIAGRAM PARTS LOCATION GUIDE

| Ref No. | Position | Ref No. | Position | Ref No. | Position | Ref No. | Position | Ref No. | Position |
|---------|----------|---------|----------|-------------|----------|-----------|----------|-----------|----------|
| CAPAC | CITORS | DIODES | | TRANSISTORS | | RESISTORS | | RESISTORS | |
| C701 | AA-1 | D702 | BB-1 | Q756 | W-2 | R767 | Z-2 | R814 | W-2 |
| C702 | BB-1 | D751 | AA-3 | Q757 | W-2 | R768 | Y-3 | R815 | W-2 |
| C703 | BB-1 | D752 | AA-2 | Q758 | AA-3 | R770 | Y-3 | R816 | X-2 |
| C751 | Z-3 | D754 | AA-2 | Q759 | Y-1 | R771 | Y-3 | R817 | W-2 |
| C752 | BB-2 | D755 | AA-2 | Q760 | X-1 | R772 | Z-3 | R818 | W-2 |
| C753 | AA-2 | D757 | AA-2 | Q761 | W-1 | R774 | X-3 | R819 | AA-3 |
| C754 | BB-2 | D758 | Z-3 | RESIS | TORS | R775 | X-3 | R820 | AA-2 |
| C755 | BB-2 | D759 | AA-3 | R701 | BB-1 | R777 | X-3 | R821 | Z-3 |
| C756 | X-3 | D760 | AA-2 | R702 | BB-1 | R778 | X-3 | R822 | AA-2 |
| C757 | Z-3 | D761 | X-2 | R703 | BB-1 | R779 | Y-3 | R823 | Z-2 |
| C758 | Z-3 | D762 | W-2 | R704 | AA-1 | R780 | Y-2 | R824 | AA-2 |
| C759 | X-3 | D763 | W-2 | R750 | X-2 | R787 | Y-3 | R825 | Y-1 |
| C760 | X-3 | D764 | W-2 | R751 | BB-3 | R788 | Y-3 | R826 | Y-1 |
| C761 | W-2 | IC | S | R752 | AA-2 | R789 | Y-3 | R828 | X-2 |
| C762 | AA-1 | IC751 | Z-2 | R753 | BB-2 | R790 | BB-2 | R829 | X-1 |
| C767 | Z-2 | IC752 | X-2 | R754 | AA-3 | R791 | BB-2 | R830 | W-1 |
| C768 | AA-2 | IC754 | Y-2 | R755 | BB-2 | R792 | Z-3 | R831 | W-1 |
| C769 | Y-2 | 8 | ILS | R756 | AA-2 | R793 | Z-3 | R834 | Z-3 |
| C773 | Z-2 | L751 | BB-2 | R757 | AA-2 | R794 | AA-3 | R835 | AA-1 |
| C774 | Z-2 | L752 | AA-2 | R758 | BB-2 | R795 | AA-3 | R836 | Z-2 |
| C775 | AA-2 | TRANS | ISTORS | R759 | AA-2 | R796 | BB-2 | R879 | W-2 |
| C776 | BB-1 | Q751 | AA-1 | R760 | BB-2 | R797 | AA-2 | MISCELL | ANEOUS |
| C779 | V-2 | Q752 | AA-2 | R761 | AA-2 | R798 | W-2 | JK701 | BB-1 |
| C811 | W-1 | Q753 | Y-3 | R762 | AA-1 | R799 | W-2 | JK702 | BB-1 |
| CONN | ECTOR | Q754 | Y-3 | R763 | AA-1 | R810 | V-2 | JK751 | BB-3 |
| CN752 | V-3 | Q755 | Z-3 | R766 | Y-3 | R812 | W-2 | | |

H.V./POWER SUPPLY 1/2 SCHEMATIC DIAGRAM PARTS LOCATION GUIDE

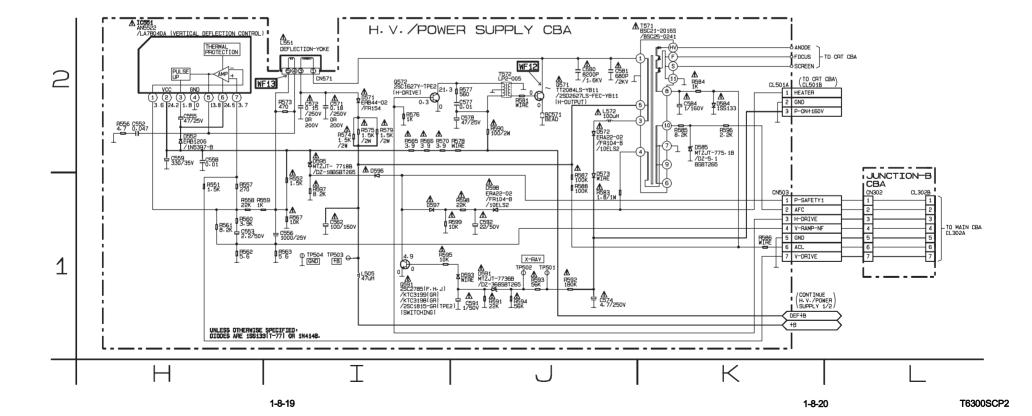
| Ref No. | Position | Ref No. | Position | Ref No. | Position | Ref No. | Position | Ref No. | Position |
|---------|----------|---------|----------|---------|--------------------|---------|----------|-----------|----------|
| CAPAC | CITORS | CONNE | CTORS | DIO | DIODES TRANSISTORS | | ISTORS | RESISTORS | |
| C604 | C-1 | CL506A | F-1 | D646 | E-1 | R609 | B-2 | R649 | D-2 |
| C607 | A-1 | CL506A | F-1 | D647 | E-1 | R611 | B-2 | R650 | D-2 |
| C608 | B-1 | DIO | DES | D648 | E-1 | R612 | B-2 | R651 | D-2 |
| C609 | B-1 | D603 | B-1 | D649 | E-1 | R613 | B-2 | R652 | D-1 |
| C610 | B-1 | D604 | B-1 | D650 | E-2 | R614 | B-2 | R659 | E-2 |
| C611 | B-1 | D605 | B-1 | D651 | E-2 | R617 | B-2 | R660 | E-2 |
| C612 | B-1 | D606 | B-1 | - | C | R618 | B-2 | R662 | E-2 |
| C613 | B-2 | D608 | B-2 | IC601 | C-2 | R620 | B-2 | R663 | E-2 |
| C614 | B-2 | D609 | A-2 | 8 | ILS | R621 | B-2 | R664 | D-2 |
| C615 | A-2 | D613 | B-2 | L601 | B-1 | R625 | C-2 | R668 | E-2 |
| C616 | B-2 | D614 | B-2 | L602 | B-1 | R626 | C-2 | R669 | B-1 |
| C618 | B-2 | D621 | C-3 | L603 | A-1 | R628 | C-1 | R670 | B-1 |
| C621 | C-3 | D622 | င္ဒ | L604 | A-1 | R629 | C-1 | sw | TCH |
| C623 | C-3 | D623 | င် | L605 | C-2 | R630 | D-1 | SW601 | A-1 |
| C624 | C-2 | D624 | ප | TRANS | ISTORS | R631 | C-1 | MISCELL | ANEOUS |
| C625 | D-2 | D625 | C-2 | Q601 | A-2 | R632 | C-1 | BC602 | A-2 |
| C628 | C-3 | D626 | C-2 | Q602 | B-2 | R633 | D-1 | BC603 | C-3 |
| C629 | E-3 | D627 | C-2 | Q611 | C-1 | R634 | D-1 | BC604 | C-3 |
| C630 | C-2 | D629 | C-2 | Q612 | D-1 | R635 | D-1 | BC605 | C-2 |
| C631 | D-2 | D631 | C-1 | Q613 | D-2 | R636 | E-1 | BC606 | C-2 |
| C632 | C-2 | D632 | C-1 | Q614 | D-1 | R637 | E-1 | F601 | A-1 |
| C639 | C-2 | D634 | C-1 | Q616 | E-2 | R638 | D-3 | PS602 | B-1 |
| C641 | D-1 | D635 | D-2 | Q617 | E-2 | R639 | D-2 | SA601 | A-1 |
| C647 | E-2 | D636 | D-1 | Q619 | E-2 | R640 | D-2 | T601 | C-3 |
| C648 | E-2 | D637 | D-1 | RESIS | TORS | R641 | D-3 | TM601 | A-1 |
| C649 | E-1 | D638 | E-2 | R601 | A-1 | R642 | E-3 | TM602 | A-1 |
| C654 | E-2 | D639 | E-3 | R602 | B-2 | R643 | E-3 | | RESISTOR |
| C655 | E-2 | D640 | D-1 | R603 | A-2 | R644 | D-2 | VR601 | C-1 |
| C666 | D-2 | D641 | D-2 | R604 | B-2 | R645 | D-1 | l | |
| CONNE | CTORS | D643 | E-2 | R605 | B-3 | R646 | D-1 | l | |
| CN602 | F-3 | D644 | F-2 | R606 | B-3 | R647 | E-3 | j | |
| CN601 | A-1 | D645 | F-2 | R607 | B-3 | R648 | D-1 | | |

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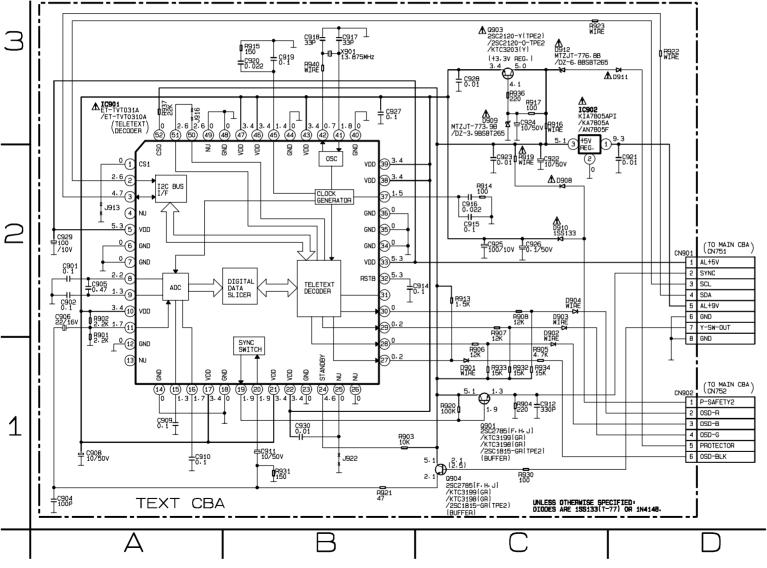
H.V./Power Supply 2/2 Schematic Diagram Parts Location Guide

| Ref No. | Position | Ref No. | Position | Ref No. | Position | Ref No. | Position |
|---------|------------|-----------|----------|---------|------------|---------|----------|
| CAPAC | CITORS | DIO | DES | RESIS | TORS | RESIS | TORS |
| C552 | H-2 | D571 | I-2 | R557 | H-1 | R588 | J-1 |
| C553 | H-1 | D572 | J-2 | R558 | H-1 | R590 | J-2 |
| C555 | H-2 | D573 | J-1 | R559 | H-1 | R591 | J-1 |
| C556 | I-1 | D584 | K-2 | R560 | H-1 | R592 | J-1 |
| C558 | H-2 | D585 | K-2 | R561 | H-1 | R593 | J-1 |
| C559 | H-2 | D591 | J-1 | R562 | H-1 | R594 | J-1 |
| C562 | I-1 | D593 | J-1 | R563 | I-1 | R595 | I-1 |
| C571 | I-2 | D595 | I-2 | R565 | I-2 | R596 | K-2 |
| C572 | I-2 | D596 | I-2 | R566 | I-2 | R597 | I-1 |
| C574 | J-1 | D597 | I-1 | R567 | F1 | R598 | J-1 |
| C577 | J-2 | D598 | J-1 | R570 | I-2 | R599 | J-1 |
| C578 | J-2 | 1 | С | R573 | I-2 | MISCELL | ANEOUS |
| C580 | J-2 | IC551 | H-1 | R574 | I-2 | BC571 | J-2 |
| C581 | J-2 | 8 | ILS | R575 | I-2 | T571 | K-2 |
| C584 | K-2 | L505 | I-1 | R576 | ⊦ 2 | T572 | J-2 |
| CAPAC | CITORS | L572 | J-2 | R577 | J-2 | TEST | POINTS |
| C591 | J-1 | TRANS | ISTORS | R578 | J-2 | TP501 | J-1 |
| C592 | J-1 | Q571 | J-2 | R579 | I-2 | TP502 | J-1 |
| CONNE | CTORS | Q572 | I-2 | R581 | J-2 | TP503 | I-1 |
| CN503 | K-1 | Q591 | I-1 | R583 | J-1 | TP504 | l-1 |
| CN571 | I-2 | RESISTORS | | R584 | K-2 | | • |
| CL501A | K-2 | R551 | H-1 | R585 | K-2 | | |
| DIO | DES | R552 | I-1 | R586 | K-1 | | |
| D552 | H-2 | R556 | H-2 | R587 | J-1 | | |



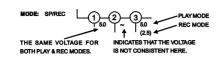


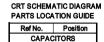


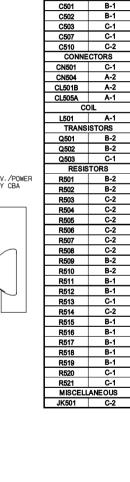


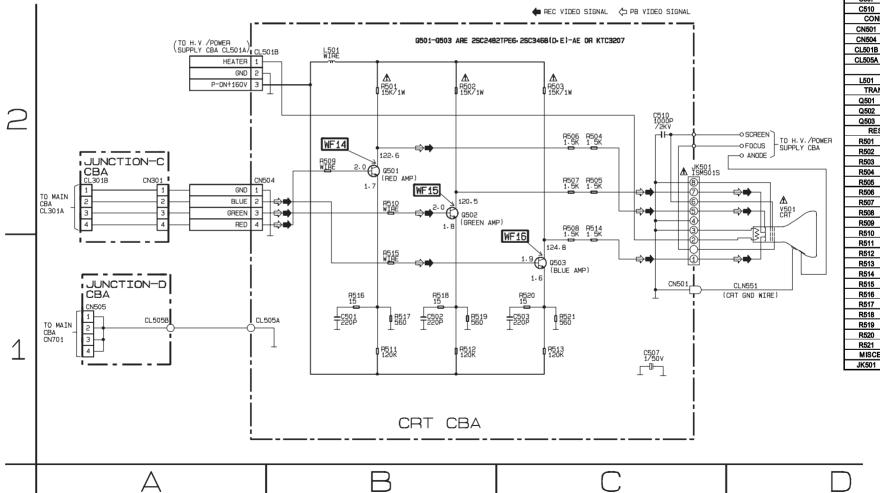
| | | AM PARTS LO | | |
|-------|----------|------------------|-----------|--|
| | Position | Ref No. Position | | |
| CAPAC | | | | |
| C901 | A-2 | D911 | D-3 | |
| C902 | A-2 | D912 | C-3 | |
| C904 | A-1 | IC | | |
| C905 | A-2 | IC901 | A-3 | |
| C906 | A-2 | IC902 | C-3 | |
| C908 | A-1 | | STORS | |
| C909 | A-1 | Q901 | C-1 | |
| C910 | A-1 | Q903 | C-3 | |
| C911 | B-1 | Q904 | C-1 | |
| C912 | C-1 | RESIS | | |
| C914 | B-2 | R901 | A-2 | |
| C915 | C-2 | R902 | A-2 | |
| C916 | C-2 | R903 | B-1 | |
| C917 | B-3 | R904 | C-1 | |
| C918 | B-3 | R905 | C-1 | |
| C919 | B-3 | R906 | C-1 | |
| C920 | B-3 | R907 | C-2 | |
| C921 | D-2 | R908 | C-2 | |
| C922 | C-2 | R913 | C-2 | |
| C923 | C-2 | R914 | C-2 | |
| C924 | C-3 | R915 | B-3 | |
| C925 | C-2 | R916 | C-3 | |
| C926 | C-2 | R917 | C-3 | |
| C927 | B-1 | R919 | C-2 | |
| C928 | C-3 | R920 | C-1 | |
| C929 | A-2 | R921 | B-1 | |
| C930 | B-1 | R922 | D-3 | |
| CONNE | CTORS | R923 | C-3 | |
| CN901 | D-2 | R930 | C-1 | |
| CN902 | D-1 | R931 | B-1 | |
| DIO | DES | R932 | C-1 | |
| D901 | C-1 | R933 | C-1 | |
| D902 | C-2 | R934 | C-1 | |
| D903 | C-2 | R936 | C-3 | |
| D904 | C-2 | R937 | A-3 | |
| D908 | C-2 | R940 | B-3 | |
| D909 | C-3 | | SCILLATOR | |
| D910 | C-2 | X901 | B-3 | |
| 50.0 | V - | 7,00 | | |

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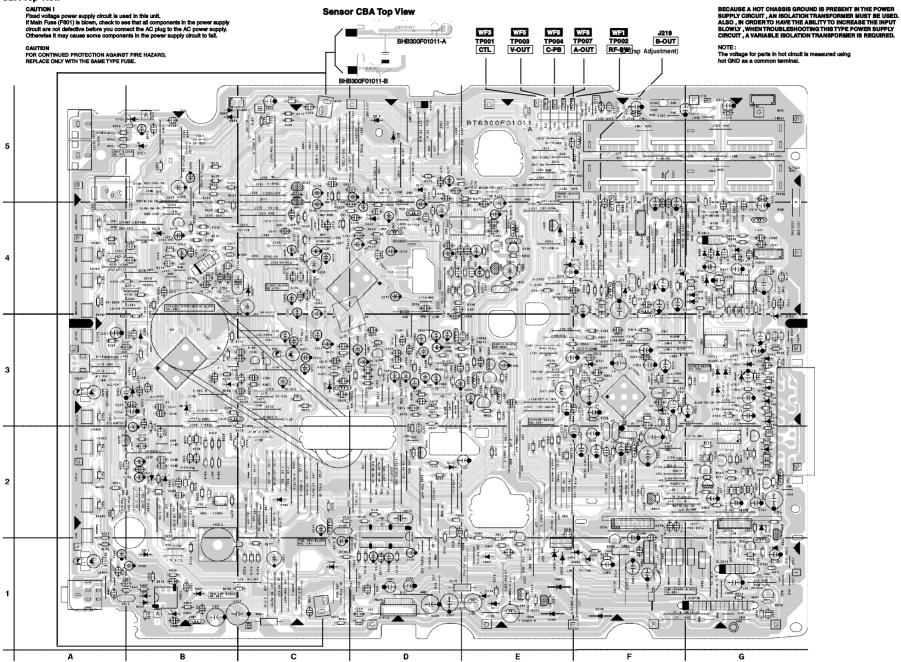


Main CBA Parts Location Guide

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|--|---|---|--|---|--|---|--|--|--|---|--|--|--|--|--|---|--|---|--|---|
| C004 F-4 C005 F-4 C006 F-5 C009 G-5 C010 G-5 C011 F-5 C013 G-4 C014 G-4 C015 F-4 C016 D-5 C017 G-5 C101 C-2 C102 C-2 C102 C-2 C103 C-1 C104 D-1 C105 D-1 C106 D-1 C107 D-1 C107 D-1 C201 B-3 C202 B-3 C202 B-4 C206 C-1 C206 C-1 C206 C-1 C207 C-3 C208 B-4 C208 B-4 C208 B-4 | 4 C2 4 C2 5 | 280 D-1 281 D-1 281 D-1 282 D-1 283 D-1 285 C-3 286 C-3 286 C-3 287 D-1 289 A-2 280 B-2 280 B-2 280 B-2 281 D-1 289 A-2 301 E-3 302 E-3 303 F-3 304 F-3 306 F-3 307 F-3 307 F-3 313 F-4 314 F-3 315 F-4 | C412 C413 C414 C415 C416 C417 C418 C419 C420 C421 C422 C423 C423 C424 C425 C426 C427 C428 C428 C429 C430 | C3 D3 C3 C3 C3 C3 C3 C3 C3 C4 C4 C4 C4 C4 C4 C4 C5 | C703 C751 C752 C753 C754 C755 C756 C756 C756 C757 C758 C759 C758 C759 C760 C761 C762 C768 C769 C769 | B-5 G-3 G-3 G-2 G-1 G-2 G-3 G-3 G-2 E-1 G-1 G-3 G-4 | C877 CONNE CN201 CN303 CN801 CN701 CN702 CN751 CN752 CL301A CL302A CL401 CL402 CL403 | E4 CTORS D1 G4 G5 G5 F4 F-2 G2 G4 G1 D4 | D764 D801 D802 D804 D805 D806 IC IC101 IC201 IC202 IC301 IC401 | C2 B-1 B-1 B-1 B-5 B-5 CS D-1 B-3 B-2 F-3 | Q757 Q758 Q759 Q760 Q761 Q851 Q852 Q853 Q854 Q856 | F-2 G-4 G-2 G-2 D-1 E-4 E-4 E-4 E-3 E-3 | R243 R244 R245 R246 R247 R248 R249 R250 R257 | E-1 E-1 B-3 C-3 B-3 C-3 C-2 B-2 B-2 | R338 R352 R353 R391 R392 R393 R400 R401 R402 | G-4 F-2 E-2 G-4 G-4 G-4 C-4 D-3 D-3 C-3 | R761 R762 R763 R766 R767 R768 R770 R771 R772 | G-2 G-1 G-1 G-2 G-2 G-2 G-2 G-2 G-2 G-2 G-2 | R854 R855 R856 R857 R859 R860 R861 R862 R863 | E4 E3 E3 E3 D4 E4 D3 E3 E3 E3 |
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| C013 G-4 C014 G-4 C015 F-4 C016 D-5 C017 G-5 C101 C-2 C102 C-2 C103 C-1 C104 D-1 C105 D-1 C106 D-1 C107 D-1 C201 B-3 C202 B-3 C203 C-5 C204 B-4 C205 A-4 C206 C-1 C207 A-3 C208 B-4 | 14 C2 14 C2 14 C2 15 C2 15 C3 17 C3 | 259 A-2 250 B-2 250 B-2 250 D-1 252 C-5 301 E-3 302 E-3 303 F-3 304 F-3 306 F-3 307 F-3 313 F-4 314 F-3 315 F-4 | C419 C420 C421 C422 C423 C424 C425 C426 C427 C428 C427 C428 C429 C430 | C3 C4 C4 C4 C4 C4 C4 C4 C4 C5 | C757 C758 C759 C760 C761 C762 C767 C768 C769 | G-3 G-3 G-2 G-2 E-1 G-1 G-3 G-4 | CN751 CN752 CL301A CL302A CL401 CL402 CL403 | F-2 G-2 G-4 G-1 D-4 D-3 | IC101 IC201 IC202 IC301 IC401 | D-1 B-3 B-2 F-3 | Q853 Q854 Q855 | E-4 E-3 E-3 | R250 R257 | B-2 B-2 | R401 R402 | D-3 D-3 C-3 | R771 R772 R774 | G-2 G-2 G-2 | R862 R863 R864 | E-3 E-3 E-3 |
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| C102 C-2 C103 C-1 C104 D-1 C105 D-1 C106 D-1 C107 D-1 C201 B-3 C203 C-5 C204 B-4 C205 A-4 C206 C-1 C207 A-3 C208 B-4 | -2 | 303 F-3 304 F-3 305 F-3 306 F-3 307 F-3 313 F-4 314 F-3 315 F-4 | C425 C426 C427 C428 C429 C430 | C4 C4 C4 C5 | C767 C768 C769 | G-3 G-4 | CL403 | | | F-4 | Q857 | TORS | R260 | B-2 E-4 | R407 R408 | B-5 B-5 | R777 R778 | G-2 G-2 | R866 | D-3 D-2 |
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| C104 D-1 C105 D-1 C106 D-1 C106 D-1 C107 D-1 C201 B-3 C202 B-3 C203 C-5 C204 B-4 C205 A-4 C206 C-1 C207 A-3 C208 B-4 | 1 C3 1 C3 1 C3 1 C3 2 C3 3 C3 3 C3 3 C3 4 C3 | 305 F-3 306 F-3 307 F-3 313 F-4 314 F-3 315 F-4 | C427 C428 C429 C430 | C-4 C-5 | C769 | | | G-1 | IC751 | G-2 | R102 | D-2 | | B-2 | R410 | C-5 | R780 | G-2 | R869 | D-3 |
| C105 D-1 C108 D-1 C107 D-1 C201 B-3 C202 B-3 C203 C-5 C204 B-4 C205 A-4 C206 C-1 C207 A-3 C208 B-4 | 1 C3 1 C3 1 C3 1 C3 -3 C3 -3 C3 -5 C3 -4 C3 | 306 F-3 307 F-3 313 F-4 314 F-3 315 F-4 | C428 C429 C430 | C-5 | | | | DES | IC752 | G-3 | R102 | C-2 | R263 R264 | B-2 | R411 | C-8 C-4 | R787 | G-2 G-2 | R870 | D-3 |
| C106 D-1 C107 D-1 C201 B-3 C202 B-3 C203 C-5 C204 B-4 C205 A-4 C206 C-1 C207 A-3 C208 B-4 | 1 C3 1-1 C3 -3 C3 -3 C3 -3 C3 -4 C3 | 307 F-3 313 F-4 314 F-3 315 F-4 | C429 C430 | | | G-4 | D201 | C-3 | IC754 | G-3 | R104 | D-1 | R265 | C-3 | R412 | C-5 | R788 | G-2 | R871 | D-3 |
| C107 D-1 C201 B-3 C202 B-3 C203 C-5 C204 B-4 C205 A-4 C205 A-4 C207 A-3 C208 B-4 | -1 C3 -3 C3 -3 C3 -5 C3 -4 C3 | 313 F-4 314 F-3 315 F-4 | C430 | | C774 | G-4 | D201 | A-3 | IC801 | B-1 | R105 | D-1 | R266 | C-4 | R413 | C-5 | R789 | G-2 | R872 | D-3 |
| C201 B-3 C202 B-3 C203 C-5 C204 B-4 C205 A-4 C206 C-1 C207 A-3 C208 B-4 | -3 C3 -3 C3 -5 C3 -4 C3 | 314 F-3 315 F-4 | | C-4 | C775 | G-3 | D203 | A-1 | | DILS | R106 | C-1 | R267 | B-4 | R414 | C-5 | R790 | G-3 | R874 | E-3 |
| C202 B-3 C203 C-5 C204 B-4 C205 A-4 C206 C-1 C207 A-3 C208 B-4 | -3 C3 -5 C3 -4 C3 | 315 F-4 | | C-5 | C776 | G-4 | D206 | B-2 | L001 | G-4 | R107 | D-1 | R268 | B-2 | R415 | C-4 | R791 | G-2 | R875 | E-3 |
| C203 C-5 C204 B-4 C205 A-4 C206 C-1 C207 A-3 C208 B-4 | ÷5 C3 ÷4 C3 | | C433 | C-5 | C777 | F-1 | D207 | B-3 | L002 | F-5 | R201 | A-2 | R269 | B-2 | R416 | C4 | R792 | G-3 | R876 | E-4 |
| C204 B-4 C205 A-4 C206 C-1 C207 A-3 C208 B-4 | -4 C3 | | C434 | C-4 | C778 | F-2 | D208 | E-1 | L003 | F-5 | R202 | A-2 | R270 | B-2 | R417 | C-4 | R793 | G-3 | R877 | D-4 |
| C206 C-1 C207 A-3 C208 B-4 | | 317 F-3 | C435 | C-4 | C779 | F-2 | D210 | E-1 | L101 | C-1 | R203 | B-5 | R271 | B-2 | R420 | D-4 | R794 | G-3 | R878 | D-3 |
| C207 A-3 C208 B-4 | | 318 F-4 | C436 | C-4 | C801 | B-1 | D211 | E-1 | L201 | E-1 | R204 | C-5 | R273 | E-1 | R421 | D4 | R795 | G-3 | R879 | E-2 |
| C208 B-4 | ⊱1 C3 | 319 F-4 | C437 | D-5 | C802 | C-1 | D212 | B-3 | L202 | B-3 | R205 | A-4 | R274 | B-3 | R424 | D-4 | R796 | G-2 | SWI | TCHES |
| | -3 C3 | 320 F-3 | C438 | D-4 | C803 | B-1 | D213 | B-2 | L203 | E-1 | R206 | A-4 | R275 | D-1 | R425 | C4 | R797 | G-3 | SW201 | A-4 |
| C210 B-4 | -4 C3 | 321 F-3 | C439 | B-5 | C804 | A-1 | D214 | B-3 | L301 | E-3 | R207 | A-2 | R276 | C-2 | R426 | B-4 | R798 | B-2 | SW202 | A-2 |
| | -4 C3 | 322 F-3 | C441 | D-4 | C805 | B-1 | D215 | B-1 | L302 | F-4 | R208 | A-4 | R277 | B-2 | R427 | B-5 | R799 | B-2 | SW203 | A-2 |
| C211 B-4 | -4 C3 | 323 F-3 | C442 | D-4 | C806 | B-1 | D216 | D-5 | L303 | F-3 | R209 | A-4 | R278 | A-4 | R428 | C4 | R801 | C-1 | SW204 | A-4 |
| C212 B-4 | | 324 F-3 | C443 | D-4 | C807 | A-1 | D217 | D-5 | L304 | F-2 | R210 | A-4 | R283 | B-3 | R429 | B-5 | R802 | B-1 | SW205 | A-3 |
| C213 B-4 | | 325 F-3 | C444 | D-4 | C809 | B-1 | D218 | B-4 | L401 | C-3 | R211 | A-2 | R284 | C-1 | R430 | B-5 | R803 | B-1 | SW206 | A-2 |
| C214 B-4 | | 326 G-3 | C445 | C-4 | C810 | A-1 | D301 | F-3 | L403 | D-4 | R212 | A-2 | R285 | D-1 | R431 | C-4 | R804 | B-1 | SW207 | A-2 |
| C215 B-4 | | 327 F-3 | C446 | C-3 | C811 | D-1 | D304 | G-4 | L485 | D-4 | R213 | A-3 | R302 | E-2 | R471 | D-5 | R805 | B-1 | SW208 | A-2 |
| C216 C-4 | | 328 F-4 | C447 | C-4 | C813 | B-1 | D305 | G-4 | L751 | G-2 | R214 | A-4 | R303 | F-3 | R473 | D-5 | R806 | B-1 | SW209 | A-4 |
| C217 B-4 | | 329 F-2 | C448 | B-5 | C851 | E-4 | D306 | G-4 | L752 | G-2 | R215 | B-2 | R304 | F-3 | R475 | D-3 | R807 | B-1 | SW210 | A-3 |
| C218 B-4 | | 330 F-3 | C449 | C-5 | C852 | E-3 | D307 | F-4 | L801 | B-1 | R216 | B-1 | R305 | F-3 | R476 | D-3 | R810 | G-1 | SW211 | B-4 |
| C219 C-3 | | 331 F-2 | C450 | C-4 | C853 | E-4 | D309 | G-4 | L851 | E-3 | R217 | C-1 | R306 | F-3 | R680 | G-1 | R812 | E-1 | SW212 | B-2 POINTS |
| C220 C-3 C221 C-3 | | 332 F-2 334 F-2 | C452 | B-5 D-5 | C854 | E-4 E-4 | D312 | F-4 C-3 | L852 | E-4 E-3 | R218 | C-1 | R307 | F-3 F-4 | R681 | G-1 F-1 | R814 | E-2 | | D-5 |
| C221 C-3 C222 B-3 | | 334 F-2 335 F-2 | C471 C472 | F-5 | C855 C856 | E-3 | D401 D402 | D4 | L853 L854 | E-3 | R219 R220 | C-1 | R309 R310 | F-4 | R682 R683 | F-1 | R815 R816 | F-2 B-2 | TP001 TP002 | D-5 |
| C222 B-3 | | | | D-5 | C857 | E-3 | | D-5 | L854 L856 | E-4 | R221 | B-4 | | F-4 | | F-1 | R817 | B-2 | TP002 | D-5 |
| C223 C-3 C224 C-3 | | 336 F-2 337 F-2 | C473 C474 | D-5 | C858 | E-3 | D471 D680 | E-1 | | SISTORS | R221 | B-4 B-1 | R311 R312 | F-4 | R684 R685 | F-1 | R818 | B-2 B-2 | TP003 | D-5 |
| C225 B-3 | | 339 F-3 | C475 | F-5 | C859 | E-3 | D681 | F-1 | Q201 | C-5 | R223 | C-3 | R313 | F-4 | R686 | F-1 | R819 | G-4 | TP004 | G-5 |
| C232 B-2 | | 340 F-2 | C478 | F-4 | C860 | E-3 | D682 | C-1 | Q202 | C-1 | R224 | B-3 | R314 | F-4 | R687 | G-1 | R820 | G-4 | TP007 | D-5 |
| C233 B-2 | | 343 F-2 | C479 | F-5 | C861 | E-3 | D683 | E-1 | Q205 | E-1 | R225 | A-2 | R315 | F-4 | R688 | G-1 | R821 | G-4 | | SCILATORS |
| C234 C-3 | | 344 F-2 | C484 | F-4 | C862 | D-3 | D684 | E-1 | Q206 | C-3 | R226 | B-4 | R316 | E-3 | R701 | A-5 | R822 | G-4 | X201 | B-4 |
| C235 B-2 | | 345 F-4 | C485 | F-4 | C863 | D-3 | D685 | F-1 | Q207 | E-1 | R227 | A-3 | R318 | F-4 | R702 | A-5 | R823 | G-4 | X202 | C-4 |
| C236 B-2 | | 346 F-4 | C486 | F-4 | C864 | D-3 | D686 | E-1 | Q208 | B-4 | R228 | A-1 | R319 | F-3 | R703 | A-5 | R824 | G-2 | X301 | F-3 |
| C237 B-2 | | 347 E-4 | C488 | F-4 | C865 | D-3 | D702 | A-5 | Q401 | C-4 | R229 | B-3 | R320 | F-3 | R704 | A-5 | R825 | G-2 | X401 | C-3 |
| C238 B-2 | | 401 D-3 | C489 | D-4 | C866 | D-3 | D751 | G-3 | Q402 | C-5 | R231 | B-4 | R321 | F-4 | R750 | B-2 | R826 | G-2 | | LANEOUS |
| C239 B-2 | -2 C4 | 402 D-3 | C491 | D-4 | C867 | D-3 | D752 | G-3 | Q471 | D-3 | R232 | B-4 | R322 | G-3 | R751 | G-3 | R828 | F-2 | CF101 | D-2 |
| C240 B-3 | -3 C4 | 403 D-3 | C493 | D-4 | C868 | D-3 | D754 | G-3 | Q680 | F-1 | R233 | F-5 | R323 | F-3 | R752 | G-3 | R829 | E-2 | JK701 | A-5 |
| C241 B-3 | -3 C4 | 404 D-3 | C681 | F-1 | C869 | D-3 | D755 | G-2 | Q681 | E-1 | R234 | B-4 | R325 | F-3 | R753 | G-3 | R830 | E-1 | JK702 | A-5 |
| C242 B-2 | | 405 D-3 | C682 | F-2 | C870 | D-4 | D757 | G-3 | Q682 | G-1 | R236 | B-4 | R327 | F-3 | R754 | G-3 | R831 | D-1 | JK751 | G-3 |
| C243 A-2 | | 406 D-3 | C683 | F-1 | C871 | D-4 | D758 | G-3 | Q751 | G-2 | R237 | E-1 | R328 | F-2 | R755 | G-3 | R834 | G-3 | JK801 | A-1 |
| C245 B-3 | | 407 D-3 | C684 | E-2 | C872 | D-2 | D759 | G-3 | Q752 | G-1 | R238 | B-4 | R329 | F-2 | R756 | G-3 | R835 | F-4 | PI201 | B-4 |
| C246 A-3 | | 408 D-3 | C685 | F-1 | C873 | D-3 | D760 | G-2 | Q753 | G-2 | R239 | B-4 | R334 | E-2 | R757 | G-4 | R836 | G-4 | RS201 | A-3 |
| C247 A-3 | | 409 D-3 | C687 | G-1 | C874 | D-3 | D761 | G-3 | Q754 | G-2 | R240 | B-4 | R335 | E-2 | R758 | G-2 | R851 | D-4 | TU001 | G-5 |
| C248 B-3 | -3 C4 | 410 D-3 | C701 | G-4 | C875 | E-3 | D762 | G-3 | Q755 | G-2 | R241 | B-4 | R336 | E-2 | R759 | G-2 | R852 | E-4 | TU002 | G-5 |

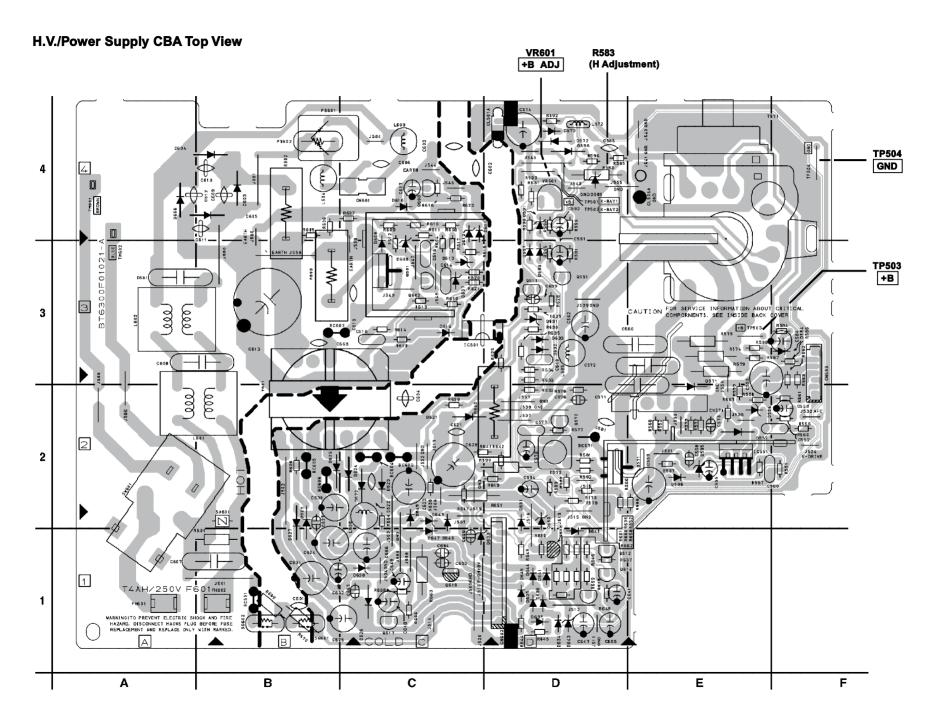
1-8-25 1-8-26

Main CBA Top View

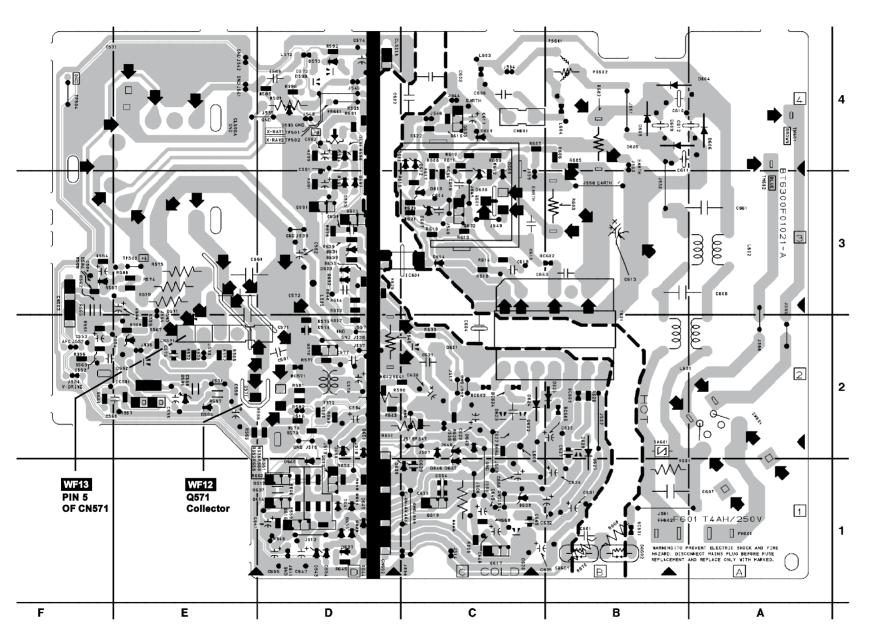


CAUTION I Flood voltage power supply circuit is used in this unit. If Main Fuse (F601) is blown, check to see that all components in the power supply circuit are not detective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail. SUPPLY CIRCUIT, AN ISOLATION TRANSFORMER MUST BE USED. ALSO, IN ORDER TO HAVE THE ABILITY TO INCREASE THE INPUT SLOWLY, WHEN TROUBLESHOOTING THIS TYPE POWER SUPPLY CIRCUIT. A VARIABLE ISOLATION TRANSFORMER IS REQUIRED. CAUTION FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE. NOTE: The voltage for parts in hot circuit is measured using hot GND as a common terminal. WF2 PIN 29 OF IC401 WF9 PIN 8 OF IC401 WF4 PIN 48 OF IC401 BT630DF01 01 PIN 1 OF CN303 INTELLIGENT WEII PIN 7 OF IC301 WEID PIN 13 OF IC301 WE18 - PIN 59 OF IC201 WE7 PIN 52 OF IC301 WEI7 PIN 58 OF IC201 2 G Е

BECAUSE A HOT CHASSIS GROUND IS PRESENT IN THE POWER



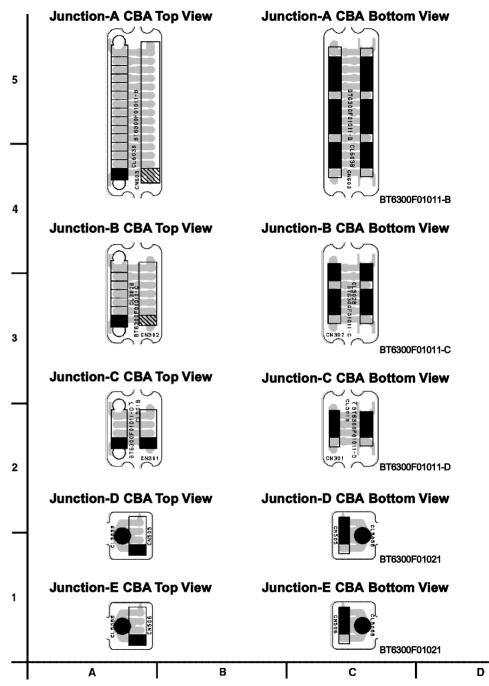
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1-8-35 1-8-36 BT6300F01021-A

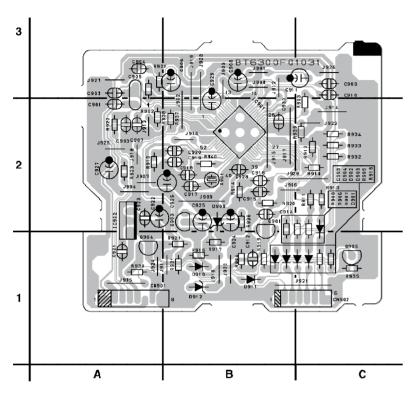
H.V./Power Supply CBA Parts Location Guide

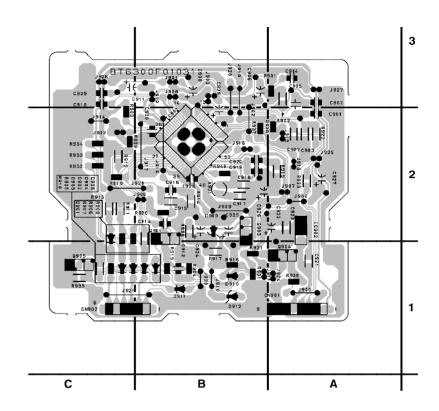
| Ref No. | Position | Ref No. | Position | Ref No. | Position | Ref No. | Position |
|---------|------------|--------------|------------|--------------|------------|----------------|------------|
| CAPAC | | | DES | | ISTORS | | TORS |
| C552 | F-2 | D591 | D-4 | Q613 | D-1 | R625 | D-3 |
| C553 | F-2 | D593 | D-3 | Q614 | D-1 | R626 | B-2 |
| C555 | E-2 | D595 | E-2 | Q616 | D-1 | R628 | D-3 |
| C556 | E-2 | D596 | E-2 | Q617 | C-1 | R629 | D-3 |
| C558 | E-2 | D597 | D-3 | Q619 | C-1 | R630 | D-3 |
| C559 | E-2 | D598 | D-4 | | TORS | R631 | D-4 |
| C562 | D-3 | D603 | B-4 | R551 | F-2 | R632 | D-2 |
| C571 | D-2 | D604 | A-4 | R552 | E-2 | R633 | D-3 |
| C572 | D-3 | D605 | B-4 | R556 | F-2 | R634 | D-3 |
| C574 | D-4 | D606 | A-4 | R557 | E-2 | R635 | D-3 |
| C577 | D-2 | D608 | C-3 | R558 | E-2 | R636 | D-2 |
| C578 | D-2 | D609 | C-3 | R559 | E-2 | R637 | D-1 |
| C580 | D-3 | D613 | C-3 | R560 | F-2 | R638 | C-2 |
| C581 | D-2 | D614 | C-3 | R561 | F-2 | R639 | C-2 |
| C584 | F-3 | D621 | C-2 | R562 | F-3 | R640 | C-2 |
| C591 | D-4 | D621 | C-2 | R563 | F-2 | R641 | C-2 |
| | D-4 | | C-2 | | E-2 | | D-2 |
| C592 | C-2 | D623 | C-2 | R565 | D-2 | R642 | D-2 D-2 |
| C604 | | D624 | | R566 | | R643 | |
| C607 | A-1 | D625 | B-2 | R567 | E-2 | R644 | D-1 |
| C608 | A-3 | D626 | C-1 | R570 | D-2 | R645 | D-1 |
| C609 | B-4 | D627 | B-1 | R573 | E-2 | R646 | D-1 |
| C610 | B-4 | D629 | B-2 | R574 | E-3 | R647 | C-2 |
| C611 | B-4 | D631 | D-3 | R575 | E-3 | R648 | D-1 |
| C612 | B-4 | D632 | D-3 | R576 | D-2 | R649 | D-1 |
| C613 | B-3 | D634 | D-1 | R577 | D-2 | R650 | D-1 |
| C614 | C-3 | D635 | D-1 | R578 | D-2 | R651 | D-2 |
| C615 | B-3 | D636 | D-1 | R579 | E-3 | R652 | E-2 |
| C616 | C-3 | D637 | D-1 | R581 | D-2 | R659 | D-1 |
| C618 | B-3 | D638 | C-1 | R583 | D-4 | R660 | D-1 |
| C621 | C-2 | D639 | D-1 | R584 | F-3 | R662 | D-1 |
| C623 | C-2 | D640 | D-1 | R585 | D-4 | R663 | C-1 |
| C624 | B-1 | D641 | D-1 | R586 | F-3 | R664 | C-2 |
| C625 | B-1 | D643 | D-1 | R587 | E-3 | R668 | C-1 |
| C628 | C-2 | D644 | D-1 | R588 | E-3 | R669 | B-1 |
| C629 | C-1 | D645 | D-1 | R590 | C-2 | R670 | B-1 |
| C630 | B-2 | D646 | C-1 | R591 | D-3 | SWI | TCH |
| C631 | B-1 | D647 | C-1 | R592 | D-4 | SW601 | A-2 |
| C632 | B-1 | D648 | C-2 | R593 | D-4 | | OINTS |
| C639 | D-3 | D649 | C-2 | R594 | D-4 | TP501 | D-4 |
| C641 | E-1 | D650 | D-2 | R595 | D-3 | TP502 | D-4 |
| C647 | D-1 | D651 | D-2 | R596 | D-4 | TP503 | E-3 |
| C648 | C-1 | | S S | R597 | E-2 | TP503 | F-4 |
| C649 | C-1 | IC551 | E-2 | R598 | D-4 | | RESISTOR |
| C654 | C-1 | IC601 | C-3 | R599 | D-4 | VR601 | D-4 |
| C655 | D-1 | CO | | R601 | A-1 | | ANEOUS |
| C666 | C-1 | L505 | D-3 | R602 | B-4 | BC571 | D-2 |
| CONNE | | L505 | D-3 D-4 | R602 | B-3 | BC602 | B-3 |
| CN503 | F-3 | L601 | A-2 | R604 | C-3 | BC602 BC603 | C-2 |
| | E-2 | | A-2 A-3 | | B-4 | | C-2 |
| CN571 | D-1 | L602 | C-4 | R605 | B-4 | BC604 | B-2 |
| CN602 | C-4 | L603 | B-4 | R606 | C-4 | BC605 | B-2 B-2 |
| CN601 | | L604 | | R607 | | BC606 | |
| CL501A | D-4 | L605 | C-1 | R609 | C-4 | F601 | A-1 |
| CL506A | E-4 | | STORS | R611 | C-4 | PS602 | B-4 |
| DIOI | | Q571 | E-2 | R612 | C-3 | SA601 | B-2 |
| D552 | E-2 | Q572 | D-2 | R613 | C-3 | T571 | E-4 |
| D571 | E-3 | Q591 | D-3 | R614 | C-3 | T572 | D-2 |
| D572 | D-4 | Q601 | C-3 | R617 | C-3 | T601 | B-3 |
| | D-4 | Q602 | C-3 | R618 | C-3 | TM601 | A-4 |
| D573 | | | | | _ | | |
| | F-3 D-4 | Q611 Q612 | D-3 D-1 | R620 R621 | C-3 C-3 | TM602 | A-3 |



Text CBA Top View

Text CBA Bottom View



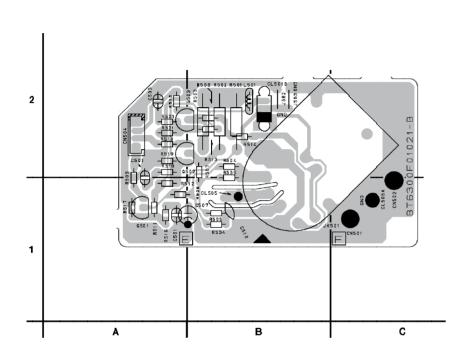


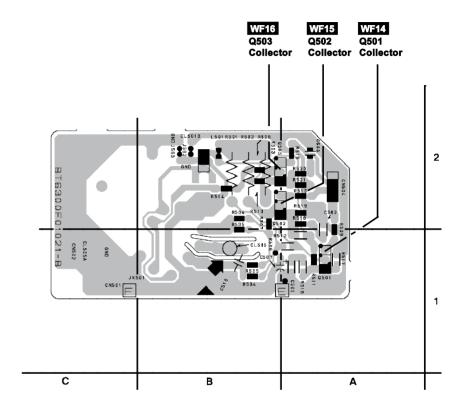
| IEXI | CBA | PARIS | LOCATIO | N GUIDE |
|------|-----|-------|---------|---------|

| Ref No. | Position | Ref No. | Position | Ref No. | Position | Ref No. | Position |
|---------|----------|------------|----------|-----------|-------------|-----------|-----------|
| CAPA | CITORS | CAPAC | CITORS | DIO | DES | RESIS | TORS |
| C901 | A-2 | C923 | A-2 | D911 | B-1 | R914 | B-2 |
| C902 | A-3 | C924 | B-1 | D912 | B-1 | R915 | A-2 |
| C904 | A-3 | C925 | B-2 | IC | cs | R916 | B-1 |
| C905 | A-3 | C926 | B-2 | IC901 | B-2 | R917 | B-1 |
| C906 | B-3 | C927 | A-2 | IC902 | A-2 | R919 | B-1 |
| C908 | B-3 | C928 | C928 B-2 | | TRANSISTORS | | B-2 |
| C909 | C-3 | C929 | B-3 | Q901 | B-2 | R921 | B-1 |
| C910 | C-3 | C930 | B-2 | Q903 | B-2 | R922 | A-2 |
| C911 | B-3 | CONNECTORS | | Q904 | A-1 | R923 | A-2 |
| C912 | B-1 | CN901 | A-1 | RESISTORS | | R930 | A-1 |
| C914 | B-2 | CN902 | C-1 | R901 | A-3 | R931 | B-1 |
| C915 | B-2 | DIO | DES | R902 | A-2 | R932 | C-2 |
| C916 | B-2 | D901 | C-2 | R903 | C-2 | R933 | C-2 |
| C917 | B-2 | D902 | C-2 | R904 | B-1 | R934 | C-2 |
| C918 | B-2 | D903 | C-2 | R905 | C-2 | R936 | B-2 |
| C919 | B-2 | D904 | C-2 | R906 | C-2 | R937 | B-2 |
| C920 | B-2 | D908 | C-2 | R907 | C-2 | R940 | B-2 |
| C921 | A-1 | D909 | B-2 | R908 | C-2 | CRYSTAL C | SCILLATOR |
| C922 | A-2 | D910 | B-1 | R913 | C-2 | X901 | B-2 |

CRT CBA Top View

CRT CBA Bottom View



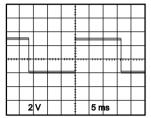


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| CAPAG | CITORS | COIL | | RESIS | TORS | RESISTORS | | |
| C501 | A-1 | L501 | B-2 | R505 | B-1 | R515 | A-2 | |
| C502 | A-2 | TRANS | ISTORS | R506 | B-1 | R516 | A-1 | |
| C503 | A-2 | Q501 | A-1 | R507 | B-2 | R517 | A-1 | |
| C507 | B-1 | Q502 | A-2 | R508 | B-2 | R518 | A-2 | |
| C510 | B-1 | Q503 | B-2 | R509 | A-1 | R519 | A-2 | |
| CONNE | CTORS | RESIS | RESISTORS | | A-2 | R520 | A-2 | |
| CN501 | C-1 | R501 | B-2 | R511 | A-1 | R521 | A-2 | |
| CN504 | A-2 | R502 | B-2 | R512 | A-1 | MISCELL | ANEOUS. | |
| CL501B | B-2 | R503 | B-2 | R513 | B-2 | JK501 | B-1 | |
| CL505A | C-1 | R504 | B-2 | R514 | B-2 | | | |

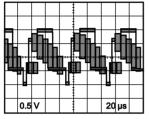
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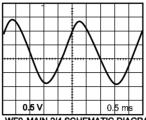
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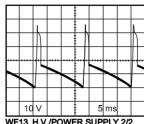
WF1 MAIN 1/4 SCHEMATIC DIAGRAM TP002 RF-SW



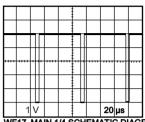
WF5 MAIN 2/4 SCHEMATIC DIAGRAM TP003 V-OUT



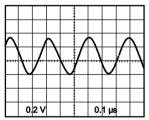
WF9 MAIN 2/4 SCHEMATIC DIAGRAM IC401 PIN 8



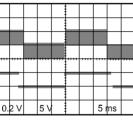
WF13 H.V./POWER SUPPLY 2/2 SCHEMATIC DIAGRAM CN571 PIN 5



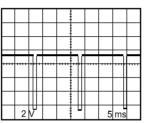
WF17 MAIN 1/4 SCHEMATIC DIAGRAM



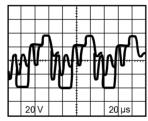
WF2 MAIN 2/4 SCHEMATIC DIAGRAM IC401 PIN 29



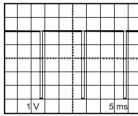
Upper: WF6 Lower: WF1
MAIN 2/4 SCHEMATIC DIAGRAM
TP004 C-PB



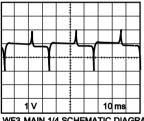
WF10 MAIN 3/4 SCHEMATIC DIAGRAM IC301 PIN 13



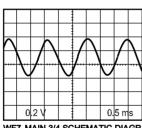
WF14 CRT SCHEMATIC DIAGRAM Q501 COLLECTOR



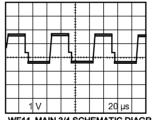
WF18 MAIN 1/4 SCHEMATIC DIAGRAM IC201 PIN 59



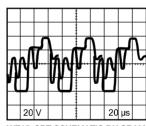
WF3 MAIN 1/4 SCHEMATIC DIAGRAM TP001 CTL



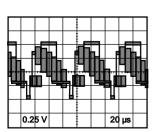
WF7 MAIN 3/4 SCHEMATIC DIAGRAM IC301 PIN 52



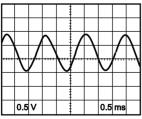
WF11 MAIN 3/4 SCHEMATIC DIAGRAM IC301 PIN 7



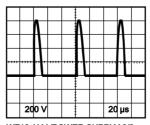
WF15 CRT SCHEMATIC DIAGRAM Q502 COLLECTOR



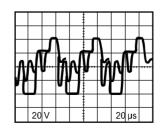
WF4 MAIN 2/4 SCHEMATIC DIAGRAM IC401 PIN 48



WF8 MAIN 2/4 SCHEMATIC DIAGRAM TP007 A-OUT

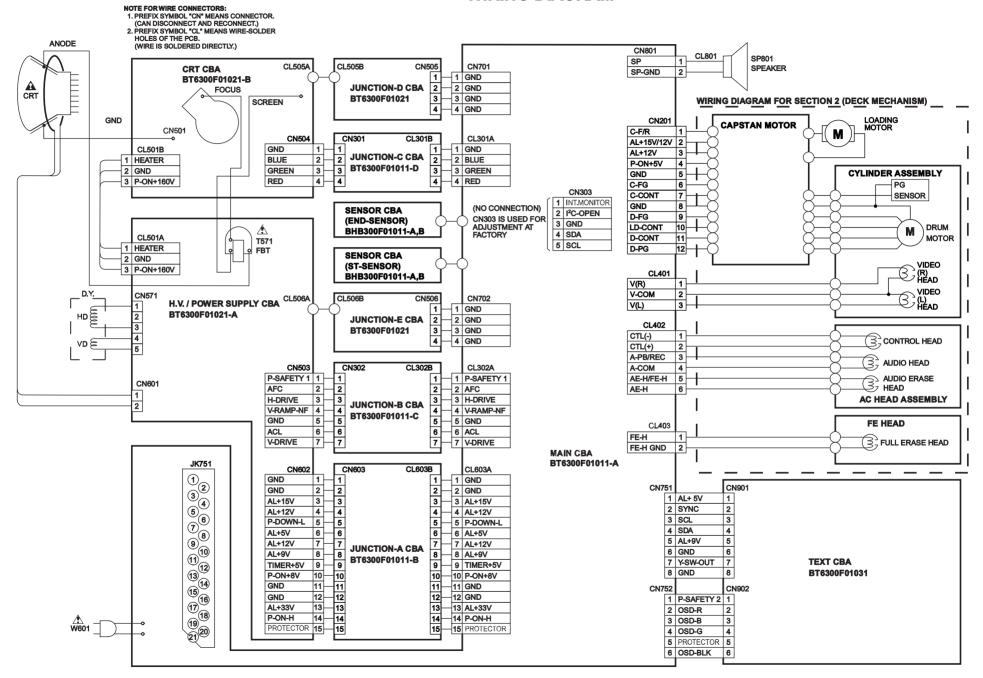


WF12 H.V./POWER SUPPLY 2/2 SCHEMATIC DIAGRAM Q571 COLLECTOR

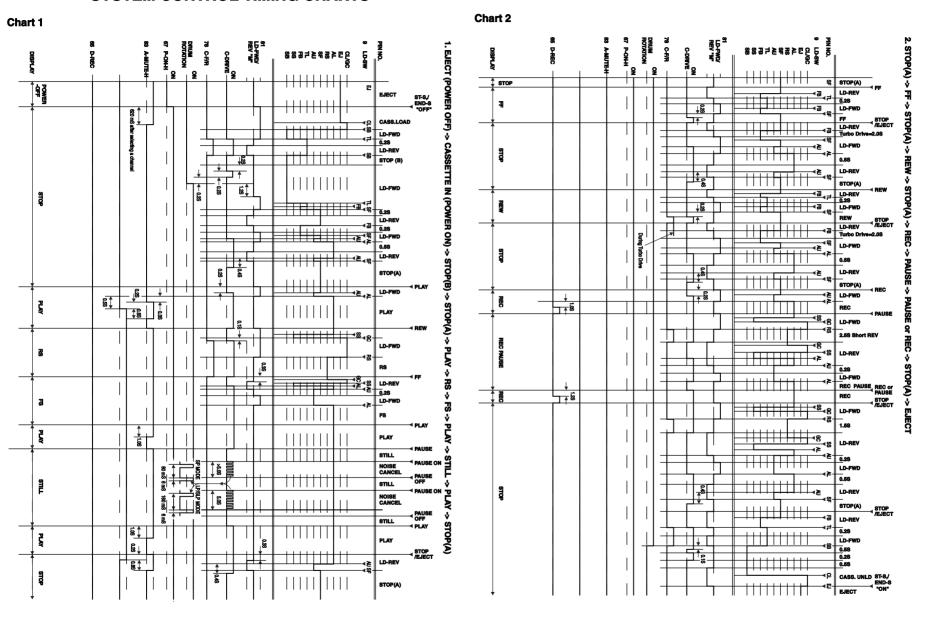


WF16 CRT SCHEMATIC DIAGRAM Q503 COLLECTOR

WIRING DIAGRAM



SYSTEM CONTROL TIMING CHARTS



IC PIN FUNCTION DESCRIPTIONS

Comparison Chart of Models and Marks

| Model | Mark |
|------------|------|
| 14PV360/07 | Α |
| 14PV365/07 | В |
| 14PV360/01 | С |
| 14PV365/01 | D |
| 14PV365/58 | Е |
| 14PV360/39 | F |
| 14PV365/39 | G |

IC 201 (TV/VCR Micro Computer)

"H" ≥ 4.5V, "L" ≤ 1.0V

| | 1 | "H" ≥ 4.5V, "L" ≤ 1.0V | | | | | | |
|------------|------|------------------------|----------------|--|--|--|--|--|
| Pin No. | Mark | IN/ OUT | Signal Name | Function | | | | |
| 1 | | IN | AFC2 | AFC 2 of Tuner 2 | | | | |
| 2 | | IN | P-SAFETY 2 | Power Supply Failure Detection 2 | | | | |
| 3 | | IN | P-SAFETY 1 | Power Supply Failure Detection 1 | | | | |
| 4 | | IN | END-SENS | End-Sensor | | | | |
| 5 | | IN | AFC | Automatic Frequency Control Signal | | | | |
| 6 | | Z | V-ENV | Video Envelope Input | | | | |
| 7 | | IN | KEY-1 | Key 1 Input | | | | |
| 8 | | IN | KEY-2 | Key 2 Input | | | | |
| 9 | | IN | LD-SW | Loading Switch Input | | | | |
| 10 | | IN | ST-SENS | Start-Sensor | | | | |
| 11 | | - | NU | Not Used | | | | |
| 12 | | - | NU | Not Used | | | | |
| 13 | | IN/ OUT | D-V SYNC | Artificial V-Sync Output | | | | |
| 14 | | IN | REMOTE | Remote Signal Input | | | | |
| 15 | | OUT | C-ROTA | Color Phase Rotary Changeover Signal | | | | |
| 16 | | OUT | H-A-SW | Video Head Amp Switching Pulse | | | | |
| 17 | | IN | H-A-COMP | Head Amp Comparator Signal | | | | |
| 18 | | OUT | RF-SW | Video Head Switching Pulse | | | | |
| 19 | | - | NU | Not Used | | | | |

| Pin No. | Mark | IN/ OUT | Signal Name | Function |
|------------|-------------------|------------|-----------------|---|
| 20 | | IN | DAVN-L | VPS/PDC Data Receive = "L" |
| 21 | | OUT | 1ST-SND-H | Tuner 1 and Tuner 2 Switching Signal |
| 22 | | OUT | RGB-CONT | RGB Control Signal |
| 23 | | OUT | REC-LED | Recording LED Control Signal |
| 24 | | OUT | REC-LED | Recording LED Control Signal |
| 25 | | • | NU | Not Used |
| 26 | | - | NU | Not Used |
| 27 | | - | NU | Not Used |
| 28 | | - | NU | Not Used |
| 29 | | IN | RAPID-SW- IN | RAPID-Switch Input Signal from Scart Jack |
| 30 | | I | SLOW SW-IN | Slow-Switch Input Signal from Scart Jack |
| 31 | | IN | REC- SAFETY | Record Protection Tab Detection |
| 32 | A,B, C,D, E | - | NU | Not Used |
| | F,G | IN | SECAM-H | SECAM Mode at High |
| 33 | A,B, C,D, E | - | NU | Not Used |
| 33 | F,G | OUT | TRICK-H | Special Playback = "H" in SECAM Mode |
| 34 | | IN | RESET | System Reset Signal (Reset="L") |
| 35 | | IN | XCIN | Sub Clock 32 kHz |
| 36 | | OUT | XCOUT | Sub Clock 32 kHz |
| 37 | | - | TIMER+5V | Vcc |
| 38 | | IN | XIN | Main Clock Input |
| 39 | | OUT | XOUT | Main Clock Output |
| 40 | | - | GND | GND |
| 41 | | OUT | SPOT-KILL | Counter-measure for Spot |

1-12-1 T6300PIN

| Pin No. | Mark | IN/ OUT | Signal Name | Function |
|------------|------|------------|----------------|--|
| 42 | | OUT | EXT-L | External Input or Playback = Output |
| 43 | | IN | CLKSEL | Clock Select (GND) |
| 44 | | OUT | SP-MUTE | Speaker Mute Signal |
| 45 | | IN | I2C-OPEN | White Balance Adjust Mode Judgment |
| 46 | | - | GND | GND |
| 47 | | - | NU | Not Used |
| 48 | | OUT | SCART-H | Switching Signal of Scart Jack and RCA Jack |
| 49 | | • | OSDGND | OSD GND |
| 50 | | - | NU | Not Used |
| 51 | | - | NU | Not Used |
| 52 | | - | NU | Not Used |
| 53 | | - | OSDVcc | OSDVcc |
| 54 | | - | HLF | HLF |
| 55 | | - | NU | Not Used |
| 56 | | IN | C-VIDEO | Video Signal Input |
| 57 | | - | GND | GND |
| 58 | | IN | H-SYNC | H-SYNC Input |
| 59 | | IN | V-SYNC | V-SYNC Input |
| 60 | | OUT | OSD-BLK | Output for Picture Cut off |
| 61 | | - | NU | Not Used |
| 62 | | OUT | OSD-B | Blue Output |
| 63 | | OUT | OSD-G | Green Output |
| 64 | | OUT | OSD-R | Red Output |
| 65 | | OUT | D-REC-H | Delayed Record Signal |
| 66 | | OUT | C-POWER- SW | Capstan Power Switching Pulse |
| 67 | | OUT | P-ON-H | Power On Signal at High |
| 68 | | - | NU | Not Used |
| 69 | | - | NU | Not Used |
| 70 | | - | NU | Not Used |
| 71 | | OUT | SCL | E2PROM/ CHROMA IC Tuner Communication Clock |

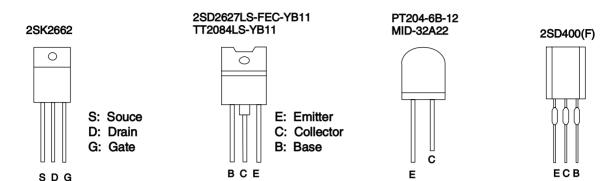
| Pin No. | Mark | IN/ OUT | Signal Name | Function |
|------------|------|------------|----------------|--|
| 72 | | IN/ OUT | SDA | E2PROM/ CHROMA IC Tuner Communication Data |
| 73 | | OUT | SCART- MUTE | Audio Mute Signal at Scart Jack |
| 74 | | IN | C-SYNC | C-Sync Input |
| 75 | | - | NU | Not Used |
| 76 | | OUT | C-CONT | Capstan Motor Control Signal |
| 77 | | OUT | D-CONT | Drum Motor Control Signal |
| 78 | | OUT | C-F/R | Capstan Motor FWD/REV Control Signal (FWD="L"/ REV="H") |
| 79 | | IN | S-REEL | Supply Reel Rotation Signal |
| 80 | | IN | T-REEL | Take Up Reel Rotation Signal |
| 81 | | OUT | LD-CONT | Loading Motor Control Signal |
| 82 | | OUT | TEXT-L | Teletext Control Signal |
| 83 | | OUT | A-MUTE-H | Audio Mute Control Signal (Mute = "H") |
| 84 | | - | NU | Not Used |
| 85 | | OUT | P-DOWN-L | Power Voltage Down Detector Signal at Low |
| 86 | | - | NU | Not Used |
| 87 | | IN | C-FG | Capstan Motor Rotation Detection Pulse |
| 88 | | - | AMPVss | AMPVss (GND) |
| 89 | | IN | D-FG | Drum Motor Rotation Detection Pulse |
| 90 | | IN | D-PG | Drum Motor Pulse Generator |
| 91 | | OUT | AMPVREF OUT | Standard Voltage Output |
| 92 | | IN | AMPVREF IN | Standard Voltage Input |
| 93 | | - | С | C Terminal |
| 94 | | IN/ OUT | CTL (-) | CTL (-) |

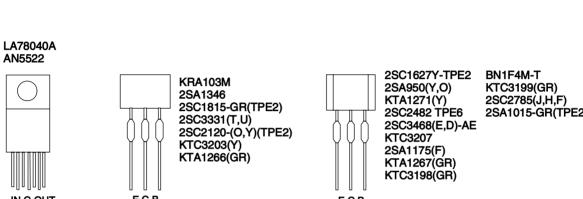
1-12-2 T6300PIN

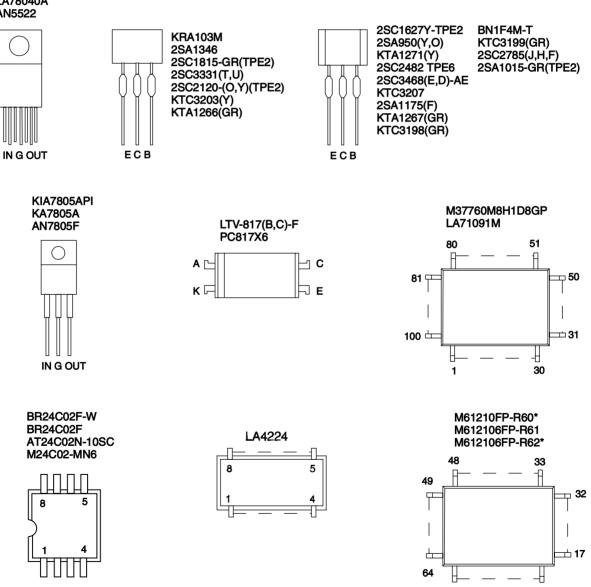
| Pin No. | Mark | IN/ OUT | Signal Name | Function |
|------------|------|------------|----------------|--|
| 95 | | IN/ OUT | CTL (+) | CTL (+) |
| 96 | | - | AMPC | AMPC |
| 97 | | OUT | CTLAMP OUT | Control Amp Output |
| 98 | | - | AMPVcc | AMPVcc |
| 99 | | - | AVcc | A/D Converter Power Input/ Standard Voltage Input |
| 100 | | IN | AGC | IF AGC Control Signal |

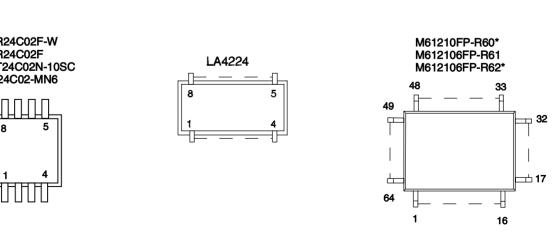
1-12-3 T6300PIN

LEAD IDENTIFICATIONS









1-13-1 T6300LE

PRODUCT SAFETY NOTE: Products marked with a A

have special characteristics important to safety.

Before replacing any of these components, read carefully the product safety notice in this service manual.

Don't degrade the safety of the product through improper servicing.

NOTES:

C....±0.25% D....±0.5% F....±1% G....±2% J....±5% K....±10% M....±20% N....±30% Z....+80/-20%

| | ELECTRICAL | 4PV360/01 | 14PV360/07 | 4PV360/39 | 4PV365/01 | 14PV365/07 | 4PV365/39 | 14PV365/58 | |
|------|----------------|-----------------------------------|--------------|-----------|-----------|------------|-----------|------------|-----|
| Pos. | ⚠ 12 NC | Description | — ₽ | 4 | 4 | 14P | 14P | 14P | 14P |
| | | MMA CBA | | | | | | | |
| | | Consists of the followings | | | | | | | |
| | | MAIN CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | JUNCTION A CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | JUNCTION B CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | JUNCTION C CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | SENSOR CBA | | | | | | | |
| | | MAIN CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | CAPACITORS | | | | | | | |
| C003 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C004 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C005 | | CERAMIC CAP.(AX) B K 0.01UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C006 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C010 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C012 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C013 | | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C014 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C015 | | CERAMIC CAP.(AX) SL J 33PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C016 | | CERAMIC CAP.(AX) SL J 33PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C017 | | ELECTROLYTIC CAP. 4.7UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C101 | | FILM CAP.(P) 0.056UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C102 | | ELECTROLYTIC CAP. 4.7UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C103 | | ELECTROLYTIC CAP. 10UF/25V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C104 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C105 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C106 | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C107 | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C201 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C202 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C203 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C204 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C205 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C206 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C207 | | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C208 | | CERAMIC CAP.(AX) B K 100PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C210 | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C211 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C212 | | CERAMIC CAP.(AX) SL J 22PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C213 | | CERAMIC CAP.(AX) SL J 22PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C214 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C215 | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C216 | | ELECTROLYTIC CAP. 220UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C217 | | CERAMIC CAP.(AX) SL J 10PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C218 | | CERAMIC CAP.(AX) SL J 10PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | ELECTRICAL I | PARTS LIST | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 |
|--------------|----------------|---|--|------------|------------|------------|------------|------------|------------|
| Pos. | ⚠ 12 NC | Description | 4 | 4 | 4 | 141 | 14 | 14 | 4 |
| C219 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C220 | | CERAMIC CAP.(AX) X M 4700PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C221 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C222 | | CERAMIC CAP.(AX) X M 2200PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C223 | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C224 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C225 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C232 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C233 C234 | | CERAMIC CAP (AX) Y M 0.04 JE(46) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C235 | ++ | CERAMIC CAP.(AX) Y M 0.01UF/16V CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | + | 1 |
| C236 | | CERAMIC CAP.(AX) B K 100PF/50V | | 1 | 1 | <u>+</u> | 1 | 1 | 1 |
| C237 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C238 | | CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C239 | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C240 | | CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C241 | | CERAMIC CAP.(AX) B K 560PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C242 | | CERAMIC CAP.(AX) X M 4700PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C243 | | ELECTROLYTIC CAP. 22UF/16V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C245 | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C246 | | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C247 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C248 | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C249 | | ELECTROLYTIC CAP. 22UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C250 | | CERAMIC CAP.(AX) B K 1000PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C251 C252 | | CERAMIC CAP. (AX) B K 1000PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C252 C253 | | ELECTROLYTIC CAP. 100UF/10V M ELECTROLYTIC CAP. 220UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C255 | ++ | CERAMIC CAP.(AX) B K 560PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C256 | | ELECTROLYTIC CAP. 0.1UF/50V M H7 | | 1 | 1 | 1 | 1 | + | 1 |
| C257 | | ELECTROLYTIC CAP. 220UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C259 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C260 | | CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C261 | | ELECTROLYTIC CÁP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C262 | | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C301 | | CERAMIC CAP.(AX) X M 3300PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C302 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C303 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C304 | | ELECTROLYTIC CAP. 1000UF/6.3V M | 1 | 1 | 1 | | 1 | 1 | 1 |
| C305 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C306 C307 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C313 | ++ | ELECTROLYTIC CAP. 1UF/50V M FILM CAP.(P) 0.01UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C314 | | ELECTROLYTIC CAP. 100UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C315 | | ELECTROLYTIC CAP. 0.1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C316 | | FILM CAP.(P) 0.1UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C317 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C318 | | ELECTROLYTIC CAP. 1000UF/6.3V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C319 | | CERAMIC CAP.(AX) B K 180PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C320 | | ELECTROLYTIC CAP. 0.1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C321 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C322 | | ELECTROLYTIC CAP. 0.1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C323 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C324 | | CERAMIC CAP.(AX) B K 150PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C325 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C326 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C327 | | FILM CAP.(P) 0.015UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C328 | | ELECTROLYTIC CAP. 470 JE (40) A | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C329 | | ELECTROLYTIC CAP. 470UF/10V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C330 C331 | | CERAMIC CAP.(AX) Y M 0.01UF/16V FILM CAP.(P) 0.22UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C331 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| A 12 NC | | ELECTRICAL I | PARTS LIST | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 |
|--|------|----------------|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|
| ELECTROLYTIC CAP. 1UF/50V M | Pos. | ⚠ 12 NC | Description | 4 | 4 | 4 | 141 | 141 | 141 | 4 |
| ELECTROLYTIC CAP. 1UF/50V M | C334 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ELECTROLYTIC CAP. 101/F50V M | C335 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C339 | C336 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ELECTROLYTIC CAP. 10/15/0V 1 | C337 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ELECTROLYTIC CAP, 470UF/10V M | C339 | | · · · · · · · · · · · · · · · · · · · | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| FILM CAP_(P) 0.22UF69V J | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C346 | | | | 1 | 1 | | 1 | 1 | | 1 |
| C346 | C344 | | FILM CAP.(P) 0.22UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CS47 | | | · · · | 1 | 1 | | 1 | 1 | 1 | 1 |
| CAPI | C346 | | | 1 | 1 | | 1 | 1 | | 1 |
| C402 CERAMIC CAP_(AX) Y N 0.022/F6V | C347 | | ` ' | 1 | 1 | 1 | 1 | 1 | | 1 |
| ELECTROLYTIC CAP. 1UF/50V M H7 | | | , , | | | | _ | | | 1 |
| ELECTROLYTIC CAP. 1UF/50V M H7 | | | | 1 | | | 1 | | | 1 |
| ELECTROLYTIC CAP. 47UF6:3V M H7 | C403 | | | 1 | 1 | | 1 | 1 | 1 | 1 |
| C406 CERAMIC CAP_(AX) Y M 0.01UF/16V | | | | 1 | 1 | _ | | 1 | | 1 |
| C407 CERAMIC CAP.(AX) Y N 0.022UF/6V | | | | | | | _ | | _ | 1 |
| C408 CERAMIC CAP.(AX) F.Z. 0.4774F/16V | | | | | | | | | - | 1 |
| C409 | | | | | _ | | | | | 1 |
| C410 CERAMIC CAP.(AX) F Z 0.047UF/16V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | _ | | | | | 1 |
| C411 | | | | 1 | _ | _ | _ | | - | 1 |
| C412 CERAMIC CAP.(AX) Y N 0.022UF/6V | C410 | | ` ' | 1 | 1 | | | 1 | | 1 |
| C413 | | | | | | | | | | 1 |
| C414 CERAMIC CAP.(AX) Y M 0.01UF/16V | | | | | _ | _ | | _ | | 1 |
| C415 CERAMIC CAP.(AX) F Z 0.1UF/50V | C413 | | | 1 | 1 | | - | 1 | - | 1 |
| C416 CERAMIC CAP.(AX) Y M 0.01UF/16V | C414 | | ` ' | | | | | | | 1 |
| C417 ELECTROLYTIC CAP. 47UF/6.3V M H7 | | | `` | 1 | | | 1 | | | 1 |
| C418 ELECTROLYTIC CAP. 1UF/50V M H7 1 | | | | | | | | | | 1 |
| C419 ELECTROLYTIC CAP. 1UF/50V M H7 1 | | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | _ | 1 | 1 | | 1 |
| C420 ELECTROLYTIC CAP. 47UF/6.3V M H7 1 | | | | | | | _ | | _ | 1 |
| C421 CERAMIC CAP.(AX) F Z 0.1UF/50V | | | | | | | _ | | | 1 |
| C422 CERAMIC CAP.(AX) F Z 0.1UF/50V | C420 | | | 1 | 1 | | | 1 | 1 | 1 |
| C423 ELECTROLYTIC CAP. 10UF/25V M H7 1 | | | | | | | _ | _ | - | 1 |
| C424 ELECTROLYTIC CAP. 1UF/50V M H7 1 | | | | | _ | _ | | _ | - | 1 |
| C425 CERAMIC CAP.(AX) Y M 0.01UF/16V 1 | | | | | | | | | | 1 |
| C426 ELECTROLYTIC CAP. 220UF/6.3V M H7 1 | | | | | | | | | | 1 |
| C427 ELECTROLYTIC CAP. 1UF/50V M H7 1 | | | | | _ | _ | | | | 1 |
| C428 ELECTROLYTIC CAP. 1UF/50V M H7 1 | | | | | | | _ | | | 1 |
| C429 ELECTROLYTIC CAP. 10UF/25V M H7 1 | | | | | _ | | _ | - | _ | 1 |
| C430 ELECTROLYTIC CAP. 22UF/16V M H7 1 | | | ELECTROLYTIC CAP. 1UF/50V M H7 | | | _ | | | | 1 |
| C432 ELECTROLYTIC CAP. 1UF/50V M H7 1 | | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| C433 CERAMIC CAP.(AX) B K 150PF/50V 1 | | | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C434 CERAMIC CAP.(AX) F Z 0.047UF/16V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | _ | - | 1 |
| C435 CERAMIC CAP.(AX) B K 220PF/50V 1 | | | · / | | _ | | | | | 1 |
| C436 ELECTROLYTIC CAP. 100UF/6.3V H7 1 | | | ` ' | | | | | - | | 1 |
| C437 ELECTROLYTIC CAP. 1UF/50V M H7 1 | | | | | _ | _ | | _ | | 1 |
| C438 CERAMIC CAP.(AX) F Z 0.1UF/50V 1 | | | | | | _ | _ | | - | 1 |
| C439 ELECTROLYTIC CAP. 220UF/6.3V M H7 1 | | | | | _ | _ | | _ | | 1 |
| C441 CERAMIC CAP.(AX) F Z 0.1UF/50V 1 | | | . , | | | | | | | 1 |
| C442 ELECTROLYTIC CAP. 10UF/25V M H7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | _ | _ | | _ | | 1 |
| C443 CERAMIC CAP.(AX) B K 1000PF/50V 1 | | | ` ' | | _ | _ | | _ | | 1 |
| C444 ELECTROLYTIC CAP. 1UF/50V M H7 1 | | | | | | _ | | | | 1 |
| C445 CERAMIC CAP.(AX) SL J 68PF/50V 1 | | | ` ' | | | | | | | 1 |
| C446 CERAMIC CAP.(AX) F Z 0.1UF/50V 1 | | | | | _ | _ | | | | 1 |
| C447 CERAMIC CAP.(AX) SL J 68PF/50V 1 | | | , , | | _ | _ | | | | 1 |
| C448 ELECTROLYTIC CAP. 4.7UF/50V M H7 1 | | | | | | _ | | | | 1 |
| C449 CERAMIC CAP.(AX) SL J 68PF/50V 1 | | | | | | | | | | 1 |
| C450 CERAMIC CAP.(AX) SL J 68PF/50V 1 1 1 1 1 1 1 1 1 | | | | | _ | _ | _ | _ | | 1 |
| C452 ELECTROLYTIC CAP. 47UF/6.3V M H7 | | | | | _ | _ | _ | _ | | 1 |
| | | | ` ' | | - | | _ | ÷ | _ | 1 |
| C471 | | | | 1 | 1 | 1 | 1 | 1 | | 1 |
| C472 CERAMIC CAP.(AX) Y M 0.01UF/16V 1 | | | ` ' | | | | | | _ | 1 |

| | ELECTRICAL I | PARTS LIST | 14PV360/01 | 4PV360/07 | 14PV360/39 | 14PV365/01 | 4PV365/07 | 14PV365/39 | 14PV365/58 |
|--------------|------------------|--|------------|-----------|------------|------------|-----------|------------|------------|
| Pos. | ⚠ 12 NC | Description | 4 | 1 4 | 4 | 14 | 14 | 4 | 4 |
| C473 | | ELECTROLYTIC CAP. 1UF/50V M H7 | | | | | | 1 | 1 |
| C474 | | ELECTROLYTIC CAP. 0.47UF/50V M H7 | | | | | | 1 | 1 |
| C475 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | | | | | | 1 | 1 |
| C478 | | ELECTROLYTIC CAP. 10UF/25V M H7 | | | | | | 1 | 1 |
| C479 | | ELECTROLYTIC CAP. 0.47UF/50V M H7 | | | | | | 1 | 1 |
| C484 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | | | | | | 1 | 1 |
| C485 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | | | | | | 1 | 1 |
| C486 | | ELECTROLYTIC CAP. 0.47UF/50V M H7 | | | | | | 1 | 1 |
| C488 | | CERAMIC CAP.(AX) B K 820PF/50V | | | | | | 1 | 1 |
| C489 | | CERAMIC CAP.(AX) B K 820PF/50V | | | | | | 1 | 1 |
| C491 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | | | | | | 1 | 1 |
| C493 C681 | | ELECTROLYTIC CAP. 2.2UF/50V M H7 ELECTROLYTIC CAP. 10UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C682 | | ELECTROLYTIC CAP. 100F/30V M ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | | 1 | 1 | 1 |
| C683 | ++ | ELECTROLYTIC CAP. 470F/25V M ELECTROLYTIC CAP. 100UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C684 | | CERAMIC CAP.(AX) B K 100PF/50V | + + | 1 | 1 | 1 | 1 | 1 | 1 |
| C685 | ++ | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C687 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C701 | | ELECTROLYTIC CAP. 4.7UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C702 | | CERAMIC CAP.(AX) B K 330PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C703 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C751 | | ELECTROLYTIC CAP. 4.7UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C752 | | CERAMIC CAP.(AX) X M 6800PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C753 | | ELECTROLYTIC CAP. 0.22UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C754 | | ELECTROLYTIC CAP. 470UF/10V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C755 | | ELECTROLYTIC CAP. 10UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C756 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C757 | | ELECTROLYTIC CAP. 0.47UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C758 | | ELECTROLYTIC CAP. 0.47UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C759 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C760 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C761 | | CERAMIC CAP.(AX) B K 1000PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C762 | | CERAMIC CAP.(AX) B K 270PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C767 | | ELECTROLYTIC CAP. 0.47UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C768 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C769 | | ELECTROLYTIC CAP. 470UF/10V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C773 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C774 | | CERAMIC CAP.(AX) SL J 68PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C775 | | CERAMIC CAP.(AX) SL J 68PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C776 | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C777 | | CERAMIC CAP.(AX) B K 100PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C778 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C779 | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C801 | | ELECTROLYTIC CAP. 330UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C802 | | ELECTROLYTIC CAP. 470UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C803 | | ELECTROLYTIC CAP. 10UF/25V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C804 | | ELECTROLYTIC CAP. 0.22UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C805 C806 | | CERAMIC CAP.(AX) F Z 0.047UF/16V CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C807 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | CERAMIC CAP (AX) B K 330PF/50V | 1 | _ | 1 | 1 | - | - | _ |
| C809 C810 | | CERAMIC CAP.(AX) B K 100PF/50V CERAMIC CAP.(AX) B K 100PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C811 | | CERAMIC CAP.(AX) B K 100PF/30V CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C813 | | FILM CAP.(P) 0.1UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C851 | ++ | ELECTROLYTIC CAP. 47UF/6.3V M H7 | + 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C852 | ++ | ELECTROLYTIC CAP. 470F/6.3V M H7 | + 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C853 | | CERAMIC CAP. B K 470PF/100V | + + | 1 | 1 | 1 | 1 | 1 | 1 |
| C854 | | FILM CAP.(P) 0.018UF/100V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C855 | | ELECTROLYTIC CAP. 220UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C856 | | CERAMIC CAP.(AX) X M 1800PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C857 | | CERAMIC CAP.(AX) X M 1500PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C858 | - | ELECTROLYTIC CAP. 4.7UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | EL | ECTRICAL PART | S LIST | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 |
|--------|-------------------------|----------------|---|------------|------------|------------|------------|------------|------------|------------|
| Pos. | A | 12 NC | Description | <u>∓</u> | 4 | 14 | 14 | 14 | 14 | 4 |
| C859 | | | CERAMIC CAP.(AX) SL J 33PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C860 | | | ELECTROLYTIC CAP. 10UF/25V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C861 | | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C862 | | | ELECTROLYTIC CAP. 33UF/10V H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C863 | | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C864 | | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C865 | | | ELECTROLYTIC CAP. 4.7UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C866 | | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C867 | | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C868 | | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C869 | | | ELECTROLYTIC CAP. 1UF/50V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C870 | | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C871 | | | ELECTROLYTIC CAP. 47UF/6.3V M H7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C872 | | | CERAMIC CAP.(AX) B K 150PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C873 | | | CERAMIC CAP.(AX) B K 150PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C874 | | | CERAMIC CAP.(AX) B K 220PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C875 | | | CERAMIC CAP.(AX) X M 4700PF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C876 | | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C877 | | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | MISCELLANEOÙS | | | | | | | |
| CF101 | | 9965 000 13835 | CERAMIC RESONATOR 4.433MHZ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CL301A | | 9965 000 13836 | LEAD WIRE 4P/300 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CL302A | | 9965 000 13837 | LEAD WIRE 7P/230 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CL603A | | 9965 000 13838 | LEAD WIRE 15P(7+8)/330 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CL702A | | 9965 000 13839 | WIRE 140/BRO/AWG18#1007 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1005 | | 2422 542 90129 | TUN SPLIF V+U PLL IEC BGDKI B | 1 | 1 | | 1 | 1 | | 1 |
| 1005 | | 2422 542 90132 | TUN SPLIF V+U PLL IEC BGDKIL B | | | 1 | | | 1 | |
| 1006 | | 2422 542 90133 | TUN IF V+U PLL IEC BGDKIL B | | | 1 | | | 1 | |
| 1006 | | 2422 542 90128 | TUN IF V+U PLL IEC BGDKI B | 1 | 1 | | 1 | 1 | | 1 |
| 1100 | | | CRT A34EAC01X71 (PHCO) B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5000 | | 3143 021 00011 | DEG COIL FUNAI | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8000 | | 3143 021 00031 | EARTH CABLE | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8016 | | 2422 070 98211 | MAINSCORD EUR 2A5 1M7 BK B | 1 | | 1 | 1 | | 1 | 1 |
| 8016 | | 2422 070 98218 | MAINSCORD UK 5A 1M8 BK B | | 1 | | | 1 | | |
| 8200 | | 3143 021 00021 | TUNER CABLE | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | CONNECTORS | | | | | | | |
| CN201 | | 9965 000 13840 | FFC/FPC CONNECTOR 12P 04 6232 112 103 800 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN303 | | 9965 000 13841 | CONNECTOR BASE, 5P TUC-P05P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN701 | | 9965 000 05247 | CONNECTOR BASE 4P TUC-P04P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN702 | | 9965 000 05247 | CONNECTOR BASE 4P TUC-P04P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN751 | | | CONNECTOR BASE 8P TUC-P08P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN752 | | | CONNECTOR BASE, 6P TUC-P06P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN801 | Ш | 9965 000 13844 | STRAIGHT CONNECTOR BASE 00 8283 0212 00 000 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | \perp | | DIODES | 1 | | | | | | <u> </u> |
| D201 | \perp | | LED SIR-563ST3F P | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D203 | Ш | | LED(RED) L-1513EC | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D206 | \sqcup | | ZENER DIODE MTZJT-775.6B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D207 | \sqcup | | ZENER DIODE MTZJT-775.6B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D208 | $\downarrow \downarrow$ | | DIODE 1N5397-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D210 | \bot | | ZENER DIODE MTZJT-776.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D211 | \sqcup | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D212 | Ш | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D213 | \sqcup | | ZENER DIODE MTZJT-776.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D214 | \perp | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D215 | \sqcup | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D216 | $\downarrow \downarrow$ | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D217 | | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D218 | Ш | | ZENER DIODE MTZJT-775.6B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D301 | | | ZENER DIODE MTZJT-778.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D304 | | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D305 | | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D306 | 1 1 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | ELECTRICAL PART | 'S LIST | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 |
|--------------|-----------------|--|------------|--|------------|------------|------------|-------------|------------|
| Pos. | ⚠ 12 NC | Description | 141 | 14 | 141 | 14} | 141 | 14 | 141 |
| D307 | 9965 000 11153 | ZENER DIODE MTZJT-778.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D309 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D312 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D401 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D402 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D471 | | SWITCHING DIODE 1SS133(T-77) | | | | | | 1 | 1 |
| D680 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D681 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D682 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D683 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D684 | | ZENER DIODE MTZJT-775.6B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D685 | | ZENER DIODE MTZJT-776.8B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D686 | | DIODE 1N5397-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D702 | | ZENER DIODE MTZJT-776.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D751 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D752 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D754 | | ZENER DIODE DZ-5.1BSBT265 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D755 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D757 | | ZENER DIODE MTZJT-776.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D758 | | ZENER DIODE MTZJT-776.2B ZENER DIODE MTZJT-776.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D759 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D760 | | ZENER DIODE MTZJT-775.6B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D761 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D762 | | SWITCHING DIODE 18S133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D763 | | SWITCHING DIODE 188133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D764 | | SWITCHING DIODE 1SS133(T-77) | | 1 | 1 | 1 | 1 | 1 | 1 |
| D801 | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D802 | 0005 000 43040 | PCB JUMPER D0.6-P5.0 ZENER DIODE MTZJT-777.5B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D804 D805 | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D806 | | SWITCHING DIODE 193 (3-77) | + 1 | 1 | 1 | + | 1 | 1 | 1 |
| D000 | 4022 130 32110 | IC's | | + | <u> </u> | | - | - '- | Ľ |
| IC101 | 0065 000 13036 | IC/VPS,PDC LC74793 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC201 | | MICRO COMPUTER M37760MFH7B7GP | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC202 | | IC:MEMORY BR24C04F-W | 1 | | 1 | 1 | 1 | 1 | 1 |
| IC301 | | IC:CHROMA/IF 1 CHIP M61209FP-R609 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC401 | | IC:Y/C/A LA71750AM-MTB | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC471 | | IC:SECAM LA70100M-MPB | | † · | i i | <u> </u> | <u> </u> | 1 | 1 |
| IC602 | | VOLTAGE REGULATOR KIA7805API | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC751 | | IC:SWITCH TC4053BF(N) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC752 | | IC:SWITCH TC4053BF(N) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC754 | | IC:SWITCH TC4053BF(N) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC801 | | AUDIO AMP LA4224 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | RCA JACK | | | | | | | |
| JK701 | 4822 265 11659 | RCA JACK(YELLOW) MSP-281V4-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| JK702 | 4822 265 11661 | RCA JACK(WHITE) MSP-281V1-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| JK751 | | SKIRT JACK 21P HRC-21V-02P | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| JK801 | 9965 000 13855 | HEADPHONE JACK MSJ-035-10A B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | COILS | | | | | | | |
| L001 | | INDUCTOR 10UH-K-5FT | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L002 | 9965 000 13856 | INDUCTOR 1.0UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L003 | 9965 000 13856 | INDUCTOR 1.0UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L101 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L201 | 9965 000 05627 | CHOKE COIL 47UH-K | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L202 | | INDUCTOR 0.10UH-K-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L203 | 9965 000 05627 | CHOKE COIL 47UH-K | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L301 | 9965 000 05627 | CHOKE COIL 47UH-K | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L302 | | INDUCTOR 33UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L303 | 9965 000 13858 | INDUCTOR 33UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L304 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L401 | | INDUCTOR 22UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L403 | 0065 000 13959 | INDUCTOR 33UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | ELECTRICAL PART | rs LIST | 14PV360/01 | 4PV360/07 | 14PV360/39 | 14PV365/01 | 4PV365/07 | 14PV365/39 | 14PV365/58 |
|--------------|-----------------|--|---------------|--------------|------------|------------|-----------|------------|------------|
| Pos. | A 12 NC | Description | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| L485 | | PCB JUMPER D0.6-P5.0 | | | | | | 1 | 1 |
| L751 | | INDUCTOR 12UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L752 | | INDUCTOR 1.2UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L801 | 9965 000 13856 | INDUCTOR 1.0UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L851 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L852 | 9965 000 05705 | INDUCTOR 47UH-K-5FT | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L853 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L854 L856 | | PCB JUMPER D0.6-P5.0 PCB JUMPER D0.6-P5.0 | 1 | + | 1 | 1 | 1 | 1 | 1 |
| L030 | | TRANSISTORS | | <u>'</u> | _ | - | • | • | H |
| PI201 | 9965 000 12189 | PHOTO INTERRUPTER RPI-302C70 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q205 | | TRANSISTOR 2SB892(S) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q206 | | PHOTO TRANSISTOR PT204-6B-12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q207 | | RES. BUILT-IN TRANSISTOR KRC103M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q208 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q401 | | TRANSISTOR KTA1266(GR) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q402 | 4822 130 11101 | TRANSISTOR 2SA1015-GR(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q471 | | TRANSISTOR 2SC2785(F) | | | | | | 1 | 1 |
| Q680 | 4822 130 42292 | TRANSISTOR 2SC2120-Y(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q681 | 9965 000 13863 | TRANSISTOR 2SD1913(R) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q682 | 9965 000 05643 | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q751 | | TRANSISTOR 2SA1015-GR(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q752 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q753 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q754 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q755 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q756 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q757 | | TRANSISTOR 2SA1015-GR(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q758 Q759 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q760 | | TRANSISTOR 2SC2785(F) RES. BUILT-IN TRANSISTOR KRA103M | $\frac{1}{1}$ | 1 | 1 | 1 | 1 | 1 | 1 |
| Q761 | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q851 | | TRANSISTOR 2SC2785(F) | 1 | Ħ | + | 1 | 1 | 1 | 1 |
| Q852 | | TRANSISTOR 2SA1015-GR(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q853 | | TRANSISTOR 2SC2120-Y(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q854 | | TRANSISTOR 2SC3331(T) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q855 | 4822 130 10097 | TRANSISTOR 2SC3331(T) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q856 | 4822 130 10145 | RES. BUILT-IN TRANSISTOR KRA103M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q857 | 9965 000 05643 | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | RESISTORS | | | | | | | |
| R002 | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R102 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R103 | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R104 | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R105 | ++ | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R106 R107 | ++ | CARBON RES. 1/4W J 100 OHM CARBON RES. 1/4W J 10K OHM | $\frac{1}{1}$ | 1 | 1 | 1 | 1 | 1 | 1 |
| R201 | ++ | CARBON RES. 1/4W J 10K OHM CARBON RES. 1/4W J 22K OHM | $\frac{1}{1}$ | 1 | 1 | 1 | 1 | 1 | 1 |
| R202 | ++ | CARBON RES. 1/4W J 22K OHM | 1 | 1 | <u> </u> | 1 | 1 | 1 | 1 |
| R203 | + + | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R204 | 11 | CARBON RES. 1/4W J 390K OHM | 1 | | 1 | 1 | 1 | 1 | 1 |
| R205 | 11 | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R206 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R207 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R208 | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R209 | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R210 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R211 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R212 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R213 | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R214 | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R215 | | CARBON RES. 1/4W G 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | ELECTRICAL F | PARTS LIST | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 |
|------|----------------|------------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | ⚠ 12 NC | Description | 4 | 14 | 14 | 14 | 14 | 14 | 14 |
| R216 | | CARBON RES. 1/4W G 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R217 | | CARBON RES. 1/4W G 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R218 | | CARBON RES. 1/4W G 470 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R219 | | CARBON RES. 1/4W G 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R220 | | CARBON RES. 1/4W G 3.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R221 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R222 | | CARBON RES. 1/4W J 390K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R223 | | CARBON RES. 1/4W J 270 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R224 | | CARBON RES. 1/4W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R225 | | CARBON RES. 1/4W J 330 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R226 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R227 | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R228 | | CARBON RES. 1/4W J 680 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R229 | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R231 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | | |
| R232 | | CARBON RES. 1/4W J 10K OHM | | | | | | 1 | 1 |
| R233 | | CARBON RES. 1/4W J 10K OHM | | | | | | 1 | 1 |
| R234 | | CARBON RES. 1/4W J 47 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R236 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R237 | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R238 | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R239 | | CARBON RES. 1/4W J 100K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R240 | | CARBON RES. 1/4W J 330K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R241 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R242 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R243 | | CARBON RES. 1/4W J 680 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R244 | | CARBON RES. 1/4W J 680 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R245 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R246 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R247 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R248 | | CARBON RES. 1/4W J 470 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R249 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R250 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R257 | | CARBON RES. 1/4W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R258 | | CARBON RES. 1/4W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R259 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R260 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R261 | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R262 | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R263 | | CARBON RES. 1/4W J 68K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R264 | | CARBON RES. 1/4W J 220K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R265 | | CARBON RES. 1/4W J 33K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R266 | | CARBON RES. 1/4W J 33K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R267 | | CARBON RES. 1/4W J 180 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R268 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R269 | | CARBON RES. 1/4W J 100K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R270 | | CARBON RES. 1/4W J 680 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R271 | | CARBON RES. 1/4W J 1.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R273 | | CARBON RES. 1/4W J 6.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R274 | | CARBON RES. 1/4W J 1M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R275 | | METAL OXIDE FILM RES. 1W J 2.2 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R276 | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R277 | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R278 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R283 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R284 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R285 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R302 | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R303 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R304 | | CARBON RES. 1/4W J 6.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R305 | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R306 | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | ELECTRICAL F | PARTS LIST | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 |
|--------------|----------------|--|------------|------------|------------|------------|------------|------------|------------|
| Pos. | ⚠ 12 NC | Description | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| R307 | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R309 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R310 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R311 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R312 | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R313 | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R314 | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R315 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R316 | | CARBON RES. 1/4W J 12 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R318 | | CARBON RES. 1/4W J 220K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R319 | | CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R320 | | CARBON RES. 1/4W J 150K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R321 | | CARBON RES. 1/4W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R322 | | CARBON RES. 1/4W J 220K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R323 | | CARBON RES. 1/4W J 6.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R325 | | CARBON RES. 1/4W J 1M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R327 | | CARBON RES. 1/4W J 10K OHM CARBON RES. 1/4W J 220 OHM | 1 | 1 | | | | | 1 |
| R328 | | CARBON RES. 1/4W J 220 OHM CARBON RES. 1/4W J 3.9K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R329 R334 | | CARBON RES. 1/4W J 3.9K OHM CARBON RES. 1/4W J 47K OHM | 1 | 1 | <u> </u> | 1 | 1 | 1 | 1 |
| R335 | | CARBON RES. 1/4W J 17K OHM CARBON RES. 1/4W J 18K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R336 R337 | | CARBON RES. 1/4W J 10K OHM CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | + | 1 | 1 | 1 |
| R338 | | | 1 | 1 | 1 | + | 1 | 1 | 1 |
| R352 | | PCB JUMPER D0.6-P5.0 CARBON RES. 1/4W J 22 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R353 | | CARBON RES. 1/4W J 2/2 OFIM | + + | 1 | <u> </u> | + | 1 | 1 | 1 |
| R391 | | CARBON RES. 1/4W J 1/10 OHM | + 1 | 1 | 1 | + | 1 | 1 | 1 |
| R392 | | CARBON RES. 1/4W J 100 OHM | + + | 1 | 1 | H | 1 | 1 | 1 |
| R393 | | CARBON RES. 1/4W J 100 OHM | + + | 1 | <u> </u> | + | 1 | 1 | 1 |
| R400 | | CARBON RES. 1/4W J 4.7K OHM | + + | 1 | + | + | 1 | 1 | 1 |
| R401 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | + | + | 1 | 1 | 1 |
| R402 | | CARBON RES. 1/4W J 1.2K OHM CARBON RES. 1/4W J 8.2K OHM | 1 | 1 | + | 1 | 1 | 1 | 1 |
| R405 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | <u> </u> | 1 | 1 | 1 |
| R406 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | <u> </u> | 1 | 1 | 1 | 1 |
| R407 | | CARBON RES. 1/4W J 6.8K OHM | 1 | 1 | <u> </u> | 1 | 1 | 1 | 1 |
| R408 | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | Ϊ́Τ | 1 | 1 | 1 | 1 |
| R409 | ++ | CARBON RES. 1/4W J 10K OHM | 1 | 1 | <u> </u> | 1 | 1 | 1 | 1 |
| R410 | ++ | CARBON RES. 1/4W J 18K OHM | 1 | 1 | Ť | 1 | 1 | 1 | 1 |
| R411 | | CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R412 | | CARBON RES. 1/4W J 18K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R413 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R414 | | CARBON RES. 1/4W J 3.3K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R415 | | CARBON RES. 1/4W J 6.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R416 | | CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R417 | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R420 | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R421 | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R424 | | CARBON RES. 1/4W J 1.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R425 | | CARBON RES. 1/4W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R426 | | CARBON RES. 1/4W J 330 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R427 | | CARBON RES. 1/4W J 330 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R428 | | CARBON RES. 1/4W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R429 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R430 | | CARBON RES. 1/4W J 680 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R431 | | CARBON RES. 1/4W J 390K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R471 | | PCB JUMPER D0.6-P5.0 | | | | | | 1 | 1 |
| R473 | | CARBON RES. 1/4W J 2.2K OHM | | | | | | 1 | 1 |
| R475 | | CARBON RES. 1/4W J 2.7K OHM | | | | | | 1 | 1 |
| R476 | | CARBON RES. 1/4W J 1.8K OHM | | | | | | 1 | 1 |
| R680 | | METAL OXIDE FILM RES. 2W J 47 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R681 | | METAL OXIDE FILM RES. 2W J 47 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R682 | | CARBON RES. 1/2W J 5.6 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| Pos. R683 R684 R685 R686 R687 R688 R701 R702 | A 12 NC | Description METAL OXIDE FILM RES. 2W J 2.2 OHM CARBON RES. 1/4W J 10 OHM | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | . = |
|--|---------|---|------------|------------|------------|------------|------------|------------|------------|
| R684 R685 R686 R687 R688 R701 | | | 1 | _ | | • | 1 | Ť | 14PV365/58 |
| R685 R686 R687 R688 R701 | | CARRON RES 1/4W L10 OHM | | 1 | 1 | 1 | 1 | 1 | 1 |
| R686 R687 R688 R701 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R687 R688 R701 | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R688 R701 | | METAL OXIDE FILM RES. 2W J 2.2 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R701 | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R702 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| _ | 1 | CARBON RES. 1/4W J 100K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R703 | ++ | CARBON RES. 1/4W J 75 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R704 | ++ | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R750 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R751 | ++ | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R752 | ++ | CARBON RES. 1/4W J 100K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R753 R754 | | CARBON RES. 1/4W J 1K OHM CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R755 | + + | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | <u> </u> | 1 |
| R756 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | <u> </u> | 1 |
| R757 | ++ | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R758 | 1 | CARBON RES. 1/4W J 75 OHM | + + | 1 | 1 | 1 | 1 | 1 | 1 |
| R759 | ++ | CARBON RES. 1/4W J 390 OHM | + + | 1 | + | 1 | 1 | ╁ | 1 |
| R760 | ++ | CARBON RES. 1/4W J 75 OHM | 1 | 1 | 1 | 1 | 1 | + | 1 |
| R761 | ++ | CARBON RES. 1/4W J 10K OHM | + 1 | 1 | <u> </u> | 1 | 1 | H | 1 |
| R762 | ++ | CARBON RES. 1/4W J 3.3K OHM | 1 | 1 | + | 1 | 1 | H | 1 |
| R763 | ++ | CARBON RES. 1/4W J 750 OHM | + 1 | 1 | 1 | 1 | 1 | + | 1 |
| R766 | ++ | CARBON RES. 1/4W J 47K OHM | + 1 | 1 | 1 | 1 | 1 | + | 1 |
| R767 | 1 | CARBON RES. 1/4W J 37K OHM | + + | 1 | 1 | 1 | 1 | + | 1 |
| R768 | ++ | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R770 | | CARBON RES. 1/4W J 1.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R771 | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | <u> </u> | 1 |
| R772 | + + | CARBON RES. 1/4W J 33K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R774 | + + | CARBON RES. 1/4W J 1.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R775 | 11 | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R777 | | CARBON RES. 1/4W J 1.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R778 | 11 | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R779 | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R780 | | CARBON RES. 1/4W J 33K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R787 | | CARBON RES. 1/4W J 6.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R788 | | CARBON RES. 1/4W J 6.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R789 | | CARBON RES. 1/4W J 6.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R790 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R791 | | CARBON RES. 1/4W J 75 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R792 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R793 | | CARBON RES. 1/4W J 75 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R794 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R795 | | CARBON RES. 1/4W J 75 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R796 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R797 | | CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R798 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R799 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R801 | | METAL OXIDE FILM RES. 1W J 12 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R802 | 1 1 | CARBON RES. 1/4W J 10 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R803 | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R804 | 11 | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R805 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R806 | | CARBON RES. 1/4W J 47 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R807 | | CARBON RES. 1/4W J 47 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R810 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R812 | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R814 | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R815 | | CARBON RES. 1/4W J 470K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R816 R817 | | CARBON RES. 1/4W J 560 OHM CARBON RES. 1/4W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| Pos. R818 R819 | T | | | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 |
|-----------------------------|--|----------------|---|-------------------|------------|------------|------------|------------|------------|------------|
| | A | 12 NC | Description | 1 <u>4</u> | 141 | 141 | 141 | 141 | 14 | 4 |
| R819 | | | CARBON RES. 1/4W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R820 | | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R821 | | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R822 | | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R823 | | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R824 | | | CARBON RES. 1/4W J 75 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R825 | | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R826 | | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R828 | | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R829 | | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R830 | | | CARBON RES. 1/4W J 220K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R831 | | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R834 | | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R835 | | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R836 | $\perp \! \! \perp \! \! \! \! \! \perp \! \! \! \! \! \! \! \! \! \!$ | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R851 | $\perp \! \! \perp \! \! \! \! \! \perp$ | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R852 | \perp | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R853 | | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R854 | | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R855 | | | CARBON RES. 1/4W J 820 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R856 | | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R857 | | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R859 | | | CARBON RES. 1/4W J 680 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R860 | | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R861 | | | CARBON RES. 1/4W J 120 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R862 | | | CARBON RES. 1/4W J 330K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R863 | | | CARBON RES. 1/4W J 12K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R864 | | | CARBON RES. 1/4W J 1.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R865 | | | CARBON RES. 1/4W J 12K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R866 | \bot | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R867 | | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R868 | | | CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R869 | | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R870 | + | | CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R871 | _ | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R872 | _ | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R874 | _ | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R875 | _ | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R876 | + | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R877 | + | | CARBON RES. 1/4W J 12K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R878 | + | | CARBON RES. 1/4W J 1M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R879 RS201 | + | 0005 000 00000 | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | - | | REMOTE RECEIVER PIC-37042LU | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| RS201 | + | 9900 UUU 1U85/ | REMOTE RECEIVER MIM-93M6DKF | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW204 | + | 0065 000 40064 | SWITCHES TACT SWITCH SKQSAB | 4 | 4 | 4 | 4 | 4 | 4 | _ |
| SW201 | + | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW202 SW203 | + | | TACT SWITCH SKQSAB TACT SWITCH SKQSAB | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW203 SW204 | + | | | 4 | _ | 1 | | 1 | _ | _ |
| SW204 SW205 | + | | TACT SWITCH SKQSAB | 1 | 1 | _ | 1 | | 1 | 1 |
| SW205 SW206 | ++ | | TACT SWITCH SKQSAB TACT SWITCH SKQSAB | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW206 SW207 | + | | TACT SWITCH SKQSAB | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW207 SW208 | ++ | | TACT SWITCH SKQSAB | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | + | | | 1 | 1 | 1 | - | 1 | 1 | 1 |
| SW209 | + | | TACT SWITCH SKQSAB TACT SWITCH SKQSAB | 1 | 1 | 1 | 1 | 1 | _ | 1 |
| SW210 SW211 | + | | LEAF SWITCH SKQSAB | 1 | _ | _ | 1 | | 1 | 1 |
| SW211 SW212 | + | | | 1 | 1 | 1 | 1 | 1 | 1 | - |
| 3VVZ 1Z | ++ | | ROTARY MODE SWITCH SSS-43MD MISCELLANEOUS | +- | 1 | 1 | 1 | 1 | 1 | 1 |
| TD? | + | | | 4 | 4 | 4 | 4 | 4 | 4 | _ |
| TB3 | + | | HEAD SHIELD T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB7 TB15 | + | | LED HOLDER T6300RA ROHM HOLDER H7770JD | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | EL | ECTRICAL PART | S LIST | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 |
|-------|-----|----------------|----------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | A | 12 NC | Description | 14 | 141 | 141 | 141 | 141 | 141 | 141 |
| TB21 | | 9965 000 08566 | BUSH, LED(F) H3700UD | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB31 | | 9965 000 13867 | HEAD SHIELD COVER T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB3-1 | | 9965 000 13868 | HEAD SHIELD T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB3-2 | | 9965 000 13870 | EARTH PLATE S T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP001 | | | PCB JUMPER D0.6-P12.5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP002 | | | PCB JUMPER D0.6-P10.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP003 | | | PCB JUMPER D0.6-P12.5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP004 | | | PCB JUMPER D0.6-P10.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP006 | | | PCB JUMPER D0.6-P10.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP007 | | | PCB JUMPER D0.6-P10.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| X201 | | 9965 000 09200 | X'TAL 32.768KHZ(20PPM) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| X202 | | 9965 000 12194 | X'TAL 12.000MHZ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| X301 | | 9965 000 13869 | X'TAL 4.433619MHZ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| X401 | | 9965 000 05629 | X'TAL 4.433619MHZ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | JUNCTION A CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN603 | | 9965 000 13871 | CONNECTOR, 15P TUC-P15X-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | JUNCTION B CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN302 | | 9965 000 13872 | CONNECTOR, 7P TUC-P07X-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | JUNCTION C CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN301 | | 9965 000 05261 | CONNECTOR 4P TUC-P04X-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | SENSOR CBA | | | | | | | |
| Q201 | | 9965 000 08630 | PHOTO TRANSISTOR PT204-6B-12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q202 | | 9965 000 08630 | PHOTO TRANSISTOR PT204-6B-12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | POWER CBA | | | | | | | |
| | | | Consists of the followings | | | | | | | |
| | | | H.V./POWER SUPPLY CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | CRT CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | JUNCTION D CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | JUNCTION E CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | H.V./POWER SUPPLY CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| BC571 | | 9965 000 13874 | BEAD INDUCTORS FBA04HA600VB-00 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| BC602 | | 9965 000 13875 | BEAD INDUCTORS FBR07HA121TB-00 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| BC603 | | 9965 000 13875 | BEAD INDUCTORS FBR07HA121TB-00 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| BC604 | | 9965 000 13875 | BEAD INDUCTORS FBR07HA121TB-00 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| BC605 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| BC606 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | CAPACITORS | | | | | | | |
| C552 | | | FILM CAP.(P) 0.047UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C553 | | | ELECTROLYTIC CAP. 2.2UF/50V M LL | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C555 | | | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C556 | | | ELECTROLYTIC CAP. 1000UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C558 | | | CERAMIC CAP.(AX) B K 0.01UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C559 | | | ELECTROLYTIC CAP. 330UF/35V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C562 | | | ELECTROLYTIC CAP. 10UF/160V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C571 | | | P.P. CAP 0.18UF/200V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C572 | | | P.P. CAP 0.15UF/200V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C574 | | | ELECTROLYTIC CAP. 4.7UF/250V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C577 | | | FILM CAP.(P) 0.01UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C578 | | | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C580 | | | P.P. CAP 0.0082UF/1.6K J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C581 | | | CERAMIC CAP. BN 680PF/2KV | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C584 | | | ELECTROLYTIC CAP. 1UF/160V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C591 | | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C592 | | | ELECTROLYTIC CAP. 22UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C604 | 4 | 9965 000 14279 | SAFETY CAP. 2200PF/250V KX | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C607 | A | 9965 000 14280 | METALLIZED FILM CAP. 0.1UF/250V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C608 | A | | METALLIZED FILM CAP. 0.1UF/250V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C609 | | | CERAMIC CAP. F Z 0.01UF/500V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C610 | | | CERAMIC CAP. F Z 0.01UF/500V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C611 | + + | | CERAMIC CAP. F Z 0.01UF/500V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C612 | + | | CERAMIC CAP. F Z 0.01UF/500V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | 10=10000 | | <u> </u> | | | | | |

| | ELECTRICAL PA | RTS LIST | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 |
|-------|----------------|-------------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | ⚠ 12 NC | Description | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| C614 | | FILM CAP.(P) 0.082UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C615 | | CERAMIC CAP. BN J 220PF/2KV | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C616 | | FILM CAP.(P) 0.001UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C618 | | FILM CAP.(P) 0.047UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C621 | | CERAMIC CAP. BN 680PF/2KV | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C623 | | ELECTROLYTIC CAP. 470UF/35V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C624 | | ELECTROLYTIC CAP. 1000UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C625 | | ELECTROLYTIC CAP. 470UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C628 | | ELECTROLYTIC CAP. 100UF/160V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C629 | | CERAMIC CAP.(AX) B K 0.01UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C630 | | ELECTROLYTIC CAP. 470UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C631 | | ELECTROLYTIC CAP. 1000UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C632 | | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C639 | | CERAMIC CAP.(AX) SL J 68PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C641 | | ELECTROLYTIC CAP. 4.7UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C647 | | ELECTROLYTIC CAP. 100UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C648 | | ELECTROLYTIC CAP. 100UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C649 | | ELECTROLYTIC CAP. 47UF/25V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C654 | | CERAMIC CAP.(AX) F Z 0.047UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C655 | | ELECTROLYTIC CAP. 220UF/6.3V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C666 | | ELECTROLYTIC CAP. 470UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | CONNECTORS | | | | | | | |
| CN571 | 9965 000 138 | 76 CONNECTOR BASE, 5P TV-50P-05-V3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN601 | 9965 000 138 | 77 CONNECTOR BASE, 2P TV-50P-02-V3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN602 | 9965 000 138 | 78 CONNECTOR BASE 15P TUC-P15P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | DIODES | | | | | | | |
| D552 | 9965 000 138 | 47 DIODE 1N5397-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D571 | 9965 000 138 | 79 DIODE FR154 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D572 | 9965 000 138 | 80 DIODE FR104-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D573 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D584 | 4822 130 327 | 78 SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D585 | 9965 000 129 | 04 ZENER DIODE DZ-5.1BSBT265 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D591 | 9965 000 138 | 81 ZENER DIODE MTZJT-7736B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D593 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D595 | 9965 000 138 | 82 ZENER DIODE MTZJT-7718B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D596 | 4822 130 327 | 78 SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D597 | 4822 130 327 | 78 SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D598 | 9965 000 138 | 80 DIODE FR104-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D603 | 9965 000 138 | 83 DIODE 1N5399-B/P | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D604 | 9965 000 138 | 83 DIODE 1N5399-B/P | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D605 | 9965 000 138 | 83 DIODE 1N5399-B/P | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D606 | 9965 000 138 | 83 DIODE 1N5399-B/P | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D608 | 9965 000 138 | 84 ZENER DIODE MTZJT-7720C | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D609 | | 78 SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D613 | 9965 000 052 | 49 ZENER DIODE MTZJT-775.6B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D614 | 4822 130 327 | 78 SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D621 | 9965 000 138 | 85 FAST RECOVERY DIODE CA201-4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D622 | 9965 000 138 | 80 DIODE FR104-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D623 | 9965 000 138 | 86 DIODE 1ZC33 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D624 | 4822 130 806 | 01 SCHOTTKY BARRIER DIODE ERB81-004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D625 | 4822 130 831 | 94 SCHOTTKY BARRIER DIODE 11EQS04 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D626 | 4822 130 838 | 83 RECTIFIER DIODE FR202 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D627 | 4822 130 831 | 94 SCHOTTKY BARRIER DIODE 11EQS04 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D629 | 9965 000 138 | 80 DIODE FR104-B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D631 | 4822 130 116 | 29 ZENER DIODE MTZJT-776.8B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D632 | 4822 130 327 | 78 SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D634 | 4822 130 327 | 78 SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D635 | 4822 130 327 | 78 SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D636 | | 78 SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D637 | | 78 SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D638 | | 87 ZENER DIODE MTZJT-7716B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 29 ZENER DIODE MTZJT-7733C | | <u> </u> | <u> </u> | 1 | | | |

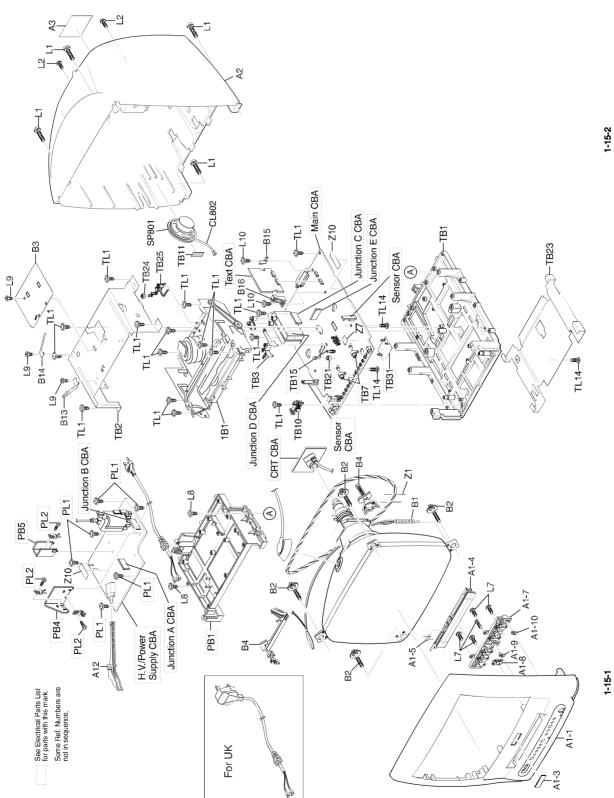
| ELECTRICAL PARTS LIST | | | | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 |
|-----------------------|------------------------------------|----------------|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Pos. | A | 12 NC | Description | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| D640 | | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D641 | | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D643 | | | ZENER DIODE MTZJT-776.8A | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D644 | | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D645 | | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D646 | | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D647 | | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D648 | | 9965 000 11153 | ZENER DIODE MTZJT-778.2B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D649 | | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D650 | | | ZENER DIODE MTZJT-7724B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D651 | | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| F601 | A | 9965 000 13890 | FUSE 4A/250V 215004 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| FH601 | | 4822 256 10461 | FUSE HOLDER MSF-015 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| FH602 | | 4822 256 10461 | FUSE HOLDER MSF-015 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | IC's | | | | | | | |
| IC551 | | 9965 000 13891 | VERTICAL OUTPUT IC AN5522 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC601 | A | 9965 000 13892 | PHOTO COUPLER LTV817MBF | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | COILS | | | | | | <u> </u> | |
| L572 | | | INDUCTOR 100UH-J-26T | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L601 | | | LINE FILTER ELF15N007A | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L602 | | 9965 000 13894 | LINE FILTER ELF15N007A | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L603 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L604 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L605 | | 9965 000 05627 | CHOKE COIL 47UH-K | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PB1 | | 9965 000 13895 | POWER PCB HOLDER T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PB4 | | | 13V H/V HEAT SINK(PDX) T5100UA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PB5 | | | 13VPOW HEAT SINK PFD ASSEMBLY T5200UA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PL1 | | | SCREW, P-TIGHT 3X12 WASHER HEAD+ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PL2 | | | SCREW, B-TIGHT M3X8 BIND HEAD+ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PL2 | | 9965 000 12171 | SCREW, B-TIGHT M3X8 BIND HEAD+ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| PS602 | | 9965 000 13896 | THERMISTOR ZPB31BL9R0A | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | TRANSISTORS | | | | | | | |
| Q571 | | | TRANSISTOR TT2084LS-YB11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q572 | | | TRANSISTOR 2SC1627Y-TPE2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q591 | | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q601 | | | MOS FET 2SK2647 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q602 | | | TRANSISTOR 2SC2120-Y(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q611 | | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q612 | | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q613 | | | TRANSISTOR 2SA950(O) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q614 | | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q616 | | | TRANSISTOR 2SC2120-Y(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q617 | | | TRANSISTOR 2SC2120-Y(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q619 | | 4822 130 10145 | RES. BUILT-IN TRANSISTOR KRA103M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | RESISTORS | | | | | | | |
| R551 | + | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R552 | + | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R556 | \perp | | CARBON RES. 1/4W J 4.7 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R557 | + | | CARBON RES. 1/4W J 270 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R558 | + | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R559 | + | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R560 | + | | CARBON RES. 1/4W J 3.9K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R561 | + | | CARBON RES. 1/4W J 8.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R562 | + | | CARBON RES. 1/4W J 5.6 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R563 | \perp | | CARBON RES. 1/4W J 5.6 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R565 | \perp | | CARBON RES. 1/4W J 3.9 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R566 | \perp | | CARBON RES. 1/4W J 3.9 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R567 | \perp | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R570 | $\downarrow \downarrow \downarrow$ | | CARBON RES. 1/4W J 3.9 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R573 | | | CARBON RES. 1/4W J 470 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R574 | | | METAL OXIDE FILM RES. 2W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R575 | 1 T | | METAL OXIDE FILM RES. 2W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| ELECTRICAL PARTS LIST | | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 | | |
|-----------------------|----------|----------------|---|------------|------------|------------|------------|------------|-----|----|
| Pos. | A | 12 NC | Description | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| R576 | | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R577 | | | CARBON RES. 1/4W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R578 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R579 | | | METAL OXIDE FILM RES. 2W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R581 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R583 | | | METAL OXIDE FILM RES. 1W J 1.8 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R584 | | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R585 | | | CARBON RES. 1/4W J 8.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R586 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R587 | | | CARBON RES. 1/4W J 100K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R588 | | | CARBON RES. 1/4W J 100K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R590 | | | METAL OXIDE FILM RES. 2W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R591 | | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R592 | | | CARBON RES. 1/6W J 180K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R593 | | | CARBON RES. 1/6W J 56K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R594 | | | CARBON RES. 1/6W J 56K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R595 | | | CARBON RES. 1/6W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R596 | | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R597 | | | CARBON RES. 1/4W J 8.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R598 | | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R599 | | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R601 | | | ANTI-SURGE RESISTOR 1/2W J 3.3M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R602 | | | CEMENT RESISTOR 5W K 1.8 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R602 | _ | | CEMENT RESISTOR 5W 1.8 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R603 | A | 9965 000 14278 | CEMENT RES. 5W K 0.68 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R604 | | | CARBON RES. 1/4W J 22 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R605 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R606 | | | CARBON RES. 1/4W J 1.5M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R607 | | | CARBON RES. 1/4W J 1.5M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R609 | | | CARBON RES. 1/4W J 1.5M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R611 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R612 | | | CARBON RES. 1/4W J 470K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R613 | | | CARBON RES. 1/4W J 180 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R614 | | | CARBON RES. 1/4W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R617 | | | CARBON RES. 1/4W J 1K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R618 | | | CARBON RES. 1/4W J 56 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R620 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R621 | | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R625 | | | CARBON RES. 1/4W J 180 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R626 | | | CARBON RES. 1/4W 2.2 OHM J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R628 | + | | CARBON RES. 1/4W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R629 | \dashv | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R630 | + | | CARBON RES. 1/4W J 33K OHM CARBON RES. 1/4W J 39K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R631 | + | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R632 | + | | CARBON RES. 1/4W J 39K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R633 | + | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R634 | + | | CARBON RES. 1/4W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R635 | + | | CARBON RES. 1/4W J 15K OHM CARBON RES. 1/4W J 6.8K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R636 | + | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R637 R638 | + | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | CARBON RES. 1/4W J 220 OHM | | 1 | 1 | 1 | 1 | 1 | 1 |
| R639 | + | | CARBON RES. 1/4W J 270 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R640 | + | | CEMENT RES. 5W K 3.3K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R641 | + | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R642 | + | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R643 | + | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R644 | + | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R645 | + | | CARBON RES. 1/4W J 1.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R646 | \dashv | | CARBON RES. 1/4W J 47K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R647 | _ _ | | CARBON RES. 1/4W J 2.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R648 | _ _ | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R649 | | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | l 1 | 1 |

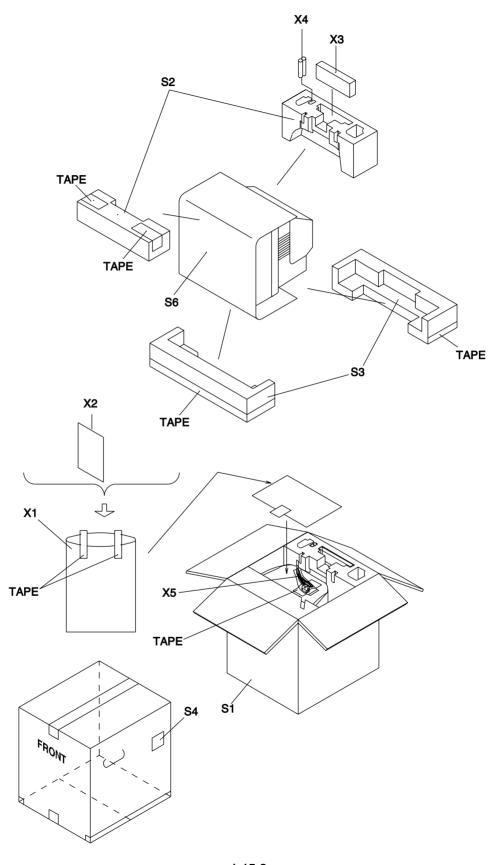
| ELECTRICAL PARTS LIST | | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 | | |
|-----------------------|---------------|----------------|-------------------------------------|------------|------------|------------|------------|------------|----|----------|
| Pos. | A | 12 NC | Description | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| R650 | | | CARBON RES. 1/4W J 56K OHM | | 1 | 1 | 1 | 1 | 1 | 1 |
| R651 | | | METAL OXIDE FILM RES. 2W J 680 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R652 | | | CARBON RES. 1/4W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R659 | | | CARBON RES. 1/4W J 15 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R660 | | | CARBON RES. 1/4W J 390 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R662 | | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R663 | | | METAL OXIDE FILM RES. 2W J 33 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R664 | | | CARBON RES. 1/4W J 5.6K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R668 | | | CARBON RES. 1/4W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R669 | | | ANTI-SURGE RESISTOR 1/2W J 3.3M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R670 | | | ANTI-SURGE RESISTOR 1/2W J 3.3M OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SA601 | A | 9965 000 13898 | SURGE ABSORBER PVR-07D471KB | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SW601 | A | 9965 000 13902 | POWER SWITCH SDKVA30100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | TRANSISTORS | | | | | | | |
| T571 | | 9965 000 13903 | FLYBACK TRANS BSC21-2016S | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| T572 | | 9965 000 13904 | H0RIZONTAL DRIVE TRANS LP2-005 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| T601 | 4 | 9965 000 13905 | SWITCHING TRANS 17711-S03 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TM601 | 4 | | TAB 42018 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TM602 | A | | TAB 42018 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP501 | | | PCB JUMPER D0.6-P15.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP502 | | | PCB JUMPER D0.6-P10.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP503 | | | PCB JUMPER D0.6-P7.5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TP504 | | | PCB JUMPER D0.6-P10.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| VR601 | | 9965 000 13906 | CARBON P.O.T. 10K OHM B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | CRT CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | CAPACITORS | | | | | | | |
| C501 | | 9965 000 13907 | CERAMIC CAP.(AX) B K 220PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C502 | | 9965 000 13907 | CERAMIC CAP.(AX) B K 220PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C503 | | 9965 000 13907 | CERAMIC CAP.(AX) B K 220PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C507 | | 9965 000 13908 | ELECTROLYTIC CAP. 1UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C510 | | 9965 000 13909 | CERAMIC CAP. B K 1000PF/2KV | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | CONNECTORS | | | | | | | |
| CL501A | | 9965 000 13910 | LEAD WIRE 3P/280 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN501 | | 9965 000 13911 | PIN CONNECTOR 005P-5100 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN503 | | 9965 000 13912 | CONNECTOR BASE, 7P TUC-P07P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN504 | | 9965 000 05247 | CONNECTOR BASE 4P TUC-P04P-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| JK501 | | 9965 000 13913 | CRT SOCKET ISMS01S | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L501 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| L505 | | 9965 000 05627 | CHOKE COIL 47UH-K | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | TRANSISTORS | | | | | | | |
| Q501 | | | TRANSISTOR 2SC2482 TPE6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q502 | | | TRANSISTOR 2SC2482 TPE6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q503 | Ш | 4822 130 60578 | TRANSISTOR 2SC2482 TPE6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | \sqcup | | RESISTORS | | | | | | | <u> </u> |
| R501 | \sqcup | | METAL OXIDE FILM RES. 1W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R502 | \sqcup | | METAL OXIDE FILM RES. 1W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R503 | \sqcup | | METAL OXIDE FILM RES. 1W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R504 | Ш | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R505 | Ш | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R506 | \sqcup | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R507 | \sqcup | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R508 | \sqcup | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R509 | \sqcup | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R510 | \sqcup | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R511 | \sqcup | | CARBON RES. 1/4W J 120K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R512 | | | CARBON RES. 1/4W J 120K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R513 | | | CARBON RES. 1/4W J 120K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R514 | \coprod | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R515 | Ш | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R516 | | | CARBON RES. 1/4W J 15 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R517 | | | CARBON RES. 1/4W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | $\overline{}$ | | CARBON RES. 1/4W J 15 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| ELECTRICAL PARTS LIST | | | 14PV360/01 | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 | |
|-----------------------|---|----------------|---------------------------------|------------|------------|------------|------------|------------|------------|---|
| Pos. | A | 12 NC | Description | 7 # | 4 | 141 | 141 | 141 | 14 | 4 |
| R519 | | | CARBON RES. 1/4W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R520 | | | CARBON RES. 1/4W J 15 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R521 | | | CARBON RES. 1/4W J 560 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | JUNCTION D CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN505 | | 9965 000 05261 | CONNECTOR 4P TUC-P04X-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CL505A | | 9965 000 13914 | WIRE 250/BRO/AWG18#1007 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | JUNCTION E CBA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN506 | | 9965 000 05261 | CONNECTOR 4P TUC-P04X-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CL506 | | 9965 000 13915 | WIRE 240/BRO/AWG18#1007 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | TEXT CBA | | | | | | | |
| | | | CAPACITORS | | | | | | | |
| C901 | | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C902 | | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C904 | | | CERAMIC CAP.(AX) B K 100PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C905 | | | STACKED FILM CAP. 0.47UF/50V J | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C906 | | | ELECTROLYTIC CAP. 22UF/16V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C908 | | | ELECTROLYTIC CAP. 10UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C909 | | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C910 | | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C911 | | | ELECTROLYTIC CAP. 10UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C912 | | | CERAMIC CAP.(AX) B K 330PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C914 | | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C915 | | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C916 | | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C917 | | | CERAMIC CAP.(AX) SL J 33PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C918 | | | CERAMIC CAP.(AX) SL J 33PF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C919 | | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C920 | | | CERAMIC CAP.(AX) Y N 0.022UF/6V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C921 | | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C922 | | | ELECTROLYTIC CAP. 10UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C923 | | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C924 | | | ELECTROLYTIC CAP. 10UF/50V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C925 | | | ELECTROLYTIC CAP. 100UF/10V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C926 | | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C927 | | | CERAMIC CAP.(AX) F Z 0.1UF/50V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C928 | | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C929 | | | ELECTROLYTIC CAP. 100UF/10V M | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| C930 | | | CERAMIC CAP.(AX) Y M 0.01UF/16V | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN901 | | 9965 000 13916 | CONNECTOR 8P TUC-P08X-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CN902 | | 9965 000 13917 | CONNECTOR, 6P TUC-P06X-B1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | DIODES | | | | | | | |
| D901 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D902 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D903 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D904 | | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D908 | | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D909 | | 9965 000 01155 | ZENER DIODE MTZJT-773.9B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D910 | | | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D911 | | 4822 130 32778 | SWITCHING DIODE 1SS133(T-77) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| D912 | | 4822 130 11629 | ZENER DIODE MTZJT-776.8B | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | IC's | | | | | | | |
| IC901 | | | IC:TEXT 1PAGE ET-TVT031A | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| IC902 | | | VOLTAGE REGULATOR KIA7805API | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q901 | | | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q903 | | 4822 130 42292 | TRANSISTOR 2SC2120-Y(TPE2) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Q904 | | 9965 000 05643 | TRANSISTOR 2SC2785(F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | RESISTORS | | | | | | | |
| R901 | | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R902 | | | CARBON RES. 1/4W J 2.2K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R903 | | | CARBON RES. 1/4W J 10K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R904 | | | CARBON RES. 1/4W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R905 | | | CARBON RES. 1/4W J 4.7K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | _ | 1 | | | | | | | | |

| ELECTRICAL PARTS LIST | | | | 14PV360/07 | 14PV360/39 | 14PV365/01 | 4PV365/07 | 14PV365/39 | 14PV365/58 |
|-----------------------|----------------|----------------------------------|------------|------------|------------|------------|-----------|------------|------------|
| Pos. | ⚠ 12 NC | Description | 14PV360/01 | 4 | 4 | 4 | 4 | 14 | 4 |
| R906 | | CARBON RES. 1/4W J 12K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R907 | | CARBON RES. 1/4W J 12K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R908 | | CARBON RES. 1/4W J 12K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R913 | | CARBON RES. 1/4W J 1.5K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R914 | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R915 | | CARBON RES. 1/4W J 150 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R916 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R917 | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R919 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R920 | | CARBON RES. 1/4W J 100K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R921 | | CARBON RES. 1/4W J 47 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R922 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R923 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R930 | | CARBON RES. 1/4W J 100 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R931 | | CARBON RES. 1/4W J 150 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R932 | | CARBON RES. 1/4W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R933 | | CARBON RES. 1/4W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R934 | | CARBON RES. 1/4W J 15K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R936 | | CARBON RES. 1/4W J 220 OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R937 | | CARBON RES. 1/4W J 22K OHM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| R940 | | PCB JUMPER D0.6-P5.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| X901 | 9965 00 | 0 13919 X'TAL :13.875MHZ CSA-309 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |



Packing



1-15-3 T6300PEX

PRODUCT SAFETY NOTE: Products marked with a A

have special characteristics important to safety.

Before replacing any of these components, read carefully the product safety notice in this service manual.

Don't degrade the safety of the product through improper servicing.

*)Note:

| Pos.1 consists of | A1-1 | A1-8 |
|-------------------|------|-------|
| | A1-3 | A1-9 |
| | A1-4 | A1-10 |
| | A1-5 | L7 |
| | A1-7 | |

| | | 4PV360/01 | 14PV360/07 | 4PV360/39 | 4PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 | | |
|-------|----------------------------|----------------|--------------------------------|-----------|-----------|------------|------------|------------|----|----|
| Pos. | Pos. Exploded View | ▲ 12 NC | Description | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 1 | *) | 3143 027 60061 | FRONT ASSY 14PV360/07 | | 1 | | | | | |
| 1 | *) | 3143 027 60101 | FRONT ASSY 14PV365/39 | | | | | | 1 | |
| 1 | *) | 3143 027 60071 | FRONT ASSY 14PV360/39 | | | 1 | | | | |
| 1 | *) | 3143 027 60011 | FRONT ASSY 14PV360/01 | 1 | | | | | | |
| 1 | *) | 3143 027 60081 | FRONT ASSY 14PV365/01/58 | | | | 1 | | | 1 |
| 1 | *) | 3143 027 60091 | FRONT ASSY 14PV365/07 | | | | | 1 | | |
| 1 | A1-1 | | FRONT CAB (A) GR PH001 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | A1-3 | | WORDMARK PHILIPS | 1 | 1 | 1 | | | | |
| 11 | A1-3 | | WORDMARK PHILIPS | | | | 1 | 1 | 1 | 1 |
| 5 | A1-4 | | CASSETTE DOOR (A) GR PH001 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | A1-5 | | LEG SPRING | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7 | A1-8 | | LED LENS A (C) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | A1-9 | | LED LENS A (R) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 | L7 | | SCR PAN TORX TAP ST ZN BK 3X10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 9 | | 3143 027 50181 | FUNCTION KNOB (A) GR PH001 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 31 | B15 | 3143 021 20021 | TE HOLDER | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 55 | L1 | | SCREW | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 56 | L2 | | PAN HEAD TAPPING SCREW M4X12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 59 | TL1 | | SCR PAN TORX TAP ST ZN BK 3X10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 70 | A2 | 3143 027 50131 | REAR CAB PH001 | 1 | 1 | 1 | | | | |
| 70 | A2 | 3143 027 50031 | REAR CAB PH003 | | | | 1 | 1 | 1 | 1 |
| 71 | A12 | 3143 027 50121 | POWER BUTTON PH003 | | | | 1 | 1 | 1 | 1 |
| 71 | A12 | 3143 027 50191 | POWER BUTTON PH001 | 1 | 1 | 1 | | | | |
| 1010 | consists of SP801/CL802 | 3143 027 10091 | SPEAKER ASSY | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| CL802 | | see 1010 | WIRE ASSEMBLY (SPEAKER) 2P/200 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| SP801 | | see 1010 | SPEAKER S08F02B or | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | B4 | 4822 402 10174 | BRACKET ==>14" | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4 | B1 | 3143 021 20031 | TENSION SPRING | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 30 | B3 | | SCREENING | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 54 | B2 | | SCREW ===>CRT | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 57 | L8 | | FLAT HEAD SCREW 4X18 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | MECHANICAL PARTS LIST | | | | | 14PV360/07 | 14PV360/39 | 14PV365/01 | 14PV365/07 | 14PV365/39 | 14PV365/58 |
|------|-----------------------|----------|----------------|--|------------|------------|------------|------------|------------|------------|------------|
| Pos. | Pos. Exploded View | A | 12 NC | Description | 14PV360/01 | 14 | 4 | 14 | 4 | 4 | 4 |
| 58 | TL1 | | | SHIELD PLATE SCREW M3X4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 60 | B13 | | | GROUND PLATE CRT | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 61 | | | 3143 021 20071 | EARTH SPRING (TU) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1B1 | | | | DECK ASSEMBLY CZD011/VM15A6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB1 | | | | TRAY CHASSIS T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB2 | | | | TOP COVER T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB10 | | | 9965 000 13833 | RCA HOLDER T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB11 | | | | CLOTH(10X30XT0.5) B5900UA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TB23 | | | | BOTTOM PLATE T6300RA | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TL1 | | | 9965 000 08646 | SCREW, P-TIGHT 3X12 WASHER HEAD+ | · 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TL14 | | | 9965 000 12171 | SCREW, B-TIGHT M3X8 BIND HEAD+ | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | · | | | PACKING | | | | | | | |
| 450 | S1 | | | BOX FOLDED 14PV36X | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 451 | | | | TAPE S-ADH PP TP 0.038X75MM | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 452 | S6 | | | PE-PLATE | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 453 | S2 | | | STYROFOAM TOP A | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 454 | S3 | | | STYROFOAM BOTTOM A | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 455 | X1 | | | BAG (==>MAINS CORD) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 150 | | | 3143 028 50031 | Remote Control RT722/111 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | TEST TAPES | | | | | | | | | | |
| 1 | | | 3143 023 20011 | TEST TAPE FL6K(S) / for verifying the audio frequency response | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | | | 3143 023 20021 | TEST TAPE FL6NS8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4 | | | 3143 023 20041 | TEST TAPE FL6M / for verifying the wow & flutter | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

DECK MECHANISM SECTION TV-VCR COMBINATION

Sec. 2: Deck Mechanism Section

- Standard Maintenance
- Mechanism Alignment Procedures
- Disassembly / Assembly of Mechanism
- Deck Exploded Views
- Deck Parts List

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STANDARD MAINTENANCE

Service Schedule of Components

H: Hours ○: Check ●: Change

| | Deck | | Periodic Service Schedule | | | | |
|-----------|----------------------------|---------|---------------------------|---------|---------|--|--|
| Ref.No. | Part Name | 1,000 H | 2,000 H | 3,000 H | 4,000 H | | |
| B2 | Cylinder Assembly | 0 | • | O | • | | |
| В3 | Loading Motor Assembly | | | • | | | |
| B8 | Pulley Assembly | | • | | • | | |
| B27 | Tension Lever Sub Assembly | | • | | • | | |
| B31 | AC Head Assembly | | | • | | | |
| B573,B574 | Reel S, Reel T | | | • | | | |
| B37 | Capstan Motor | | • | | • | | |
| B52 | Cap Belt | | • | | • | | |
| *B73 | FE Head | | | • | | | |
| B133 | Idler Assembly | | • | | • | | |
| B410 | Pinch Arm (A) Assembly | | • | | • | | |
| B414 | M Brake S Assembly | | • | | • | | |
| B416 | M Brake T Assembly | | • | | • | | |
| B525 | LDG Belt | | • | | • | | |

Notes:

2-1-1 U25MEN

^{1.}Clean all parts for the tape transport (Upper Drum with Video Head / Pinch Roller / Audio Control Head / Full Erase Head) using 90% Isopropyl Alcohol.

^{2.} After cleaning the parts, do all DECK ADJUSTMENTS.

^{3.} For the reference numbers listed above, refer to Deck Exploded Views.

^{*} B73 ----- Recording Model only

Cleaning

Cleaning of Video Head

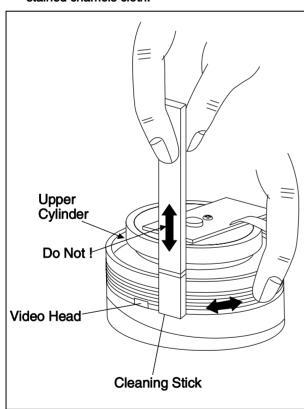
Clean the head with a head cleaning stick or chamois cloth.

Procedure

- 1.Remove the top cabinet.
- 2.Put on a glove (thin type) to avoid touching the upper and lower drum with your bare hand.
- 3.Put a few drops of 90% Isopropyl alcohol on the head cleaning stick or on the chamois cloth and, by slightly pressing it against the head tip, turn the upper drum to the right and to the left.

Notes:

- 1. The video head surface is made of very hard material, but since it is very thin, avoid cleaning it vertically.
- 2. Wait for the cleaned part to dry thoroughly before operating the unit.
- 3.Do not reuse a stained head cleaning stick or a stained chamois cloth.



Cleaning of Audio Control Head

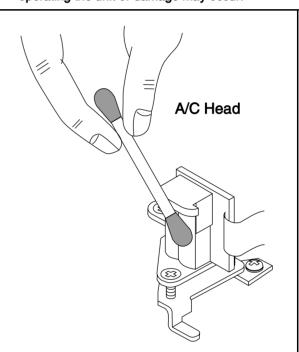
Clean the head with a cotton swab.

Procedure

- 1.Remove the top cabinet.
- 2.Dip the cotton swab in 90% isopropyl alcohol and clean the audio control head. Be careful not to damage the upper drum and other tape running parts.

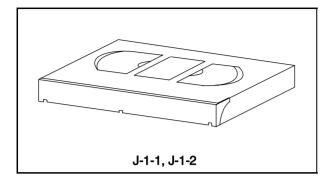
Notes:

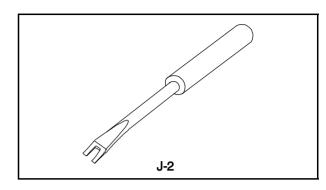
- 1. Avoid cleaning the audio control head vertically.
- 2. Wait for the cleaned part to dry thoroughly before operating the unit or damage may occur.

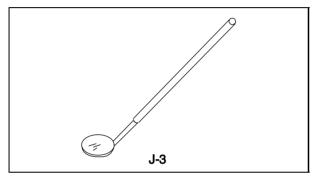


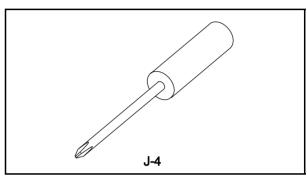
2-1-2 U25MEN

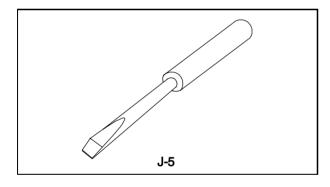
SERVICE FIXTURE AND TOOLS











Screws S1 can be cross slot or torx 10. In case of torx please use screw driver: 4822 395 50423.

| Ref. No. | Name | Part No. | Adjustment |
|----------|------------------------------|----------------------|---|
| J-1-1 | Alignment Tape | FL6A | Electrical Adjustments |
| J-1-2 | Alignment Tape | FL6NS8 | Azimuth and X Value Adjustment of Audio Control Head / Adjustment of Envelope Waveform |
| J-2 | Guide Roller Adj.Screwdriver | Available Locally | Guide Roller |
| J-3 | Mirror | Available Locally | Tape Transportation Check |
| J-4 | Azimuth Adj.Screwdriver + | Available Locally | A/C Head Height |
| J-5 | X Value Adj.Screwdriver - | Available Locally | X Value |

2-2-1 U25PCFIX

MECHANICAL ALIGNMENT PROCEDURES

Explanation of alignment for the tape to correctly run starts on the next page. Refer to the information below on this page if a tape gets stuck, for example, in the mechanism due to some electrical trouble of the unit.

Service Information

A. Method for Manual Tape Loading/Unloading

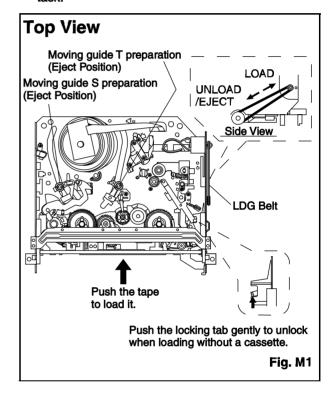
To load a cassette tape manually:

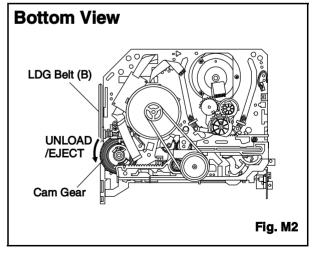
- 1. Disconnect the AC plug.
- 2. Remove the Top Case and Front Assembly.
- 3. Insert a cassette tape. Though the tape will not be automatically loaded, make sure that the cassette tape is all the way in at the inlet of the Cassette Holder. To confirm this, lightly push the cassette tape further in and see if the tape comes back out, by a spring motion, just as much as you have pushed in.
- Turn the LDG Belt in the appropriate direction shown in Fig. M1 for a minute or two to complete this task.

To unload a cassette tape manually:

- 1. Disconnect the AC plug.
- 2. Remove the Top Case and Front Assembly.
- Make sure that the Moving guide preparations are in the Eject Position.
- 4. Turn the LDG Belt in the appropriate direction shown in Fig. M1 until the Moving guide preparations come to the Eject Position. Stop turning when the preparations begin clicking or can not be moved further. However, the tape will be left wound around the cylinder.
- 5. Turn the LDG Belt in the appropriate direction continuously, and the cassette tape will be ejected. Allow a minute or two to complete this task.

- **B.** Method to place the Cassette Holder in the tapeloaded position without a cassette tape
- 1. Disconnect the AC Plug.
- 2. Remove the Top Case and Front Assembly.
- Turn the LDG Belt in the appropriate direction shown in Fig. M1. Release the locking tabs shown in Fig. M1 and continue turning the LDG Belt until the Cassette Holder comes to the tape-loaded position. Allow a minute or two to complete this task.





2-3-1 T6300MA

1.Tape Interchangeability Alignment

Note:

To do these alignment procedures, make sure that the Tracking Control Circuit is set to the center position every time a tape is loaded or unloaded. (Refer to page 2-3-4, procedure 1-C, step 2.)

Equipment required:

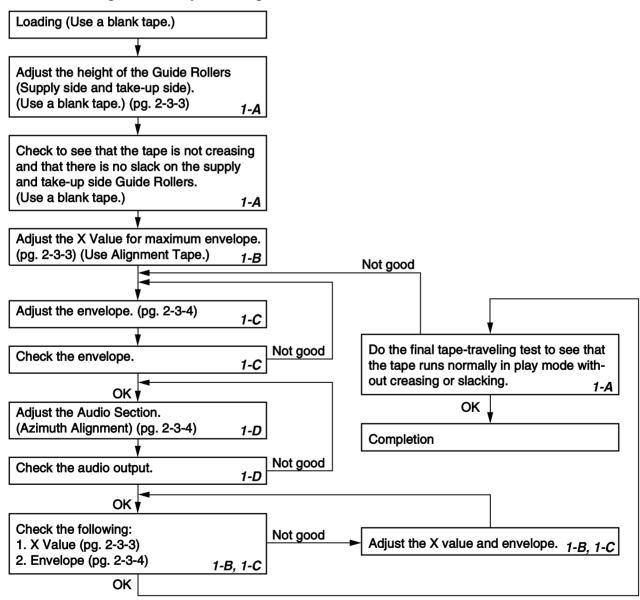
Dual Trace Oscilloscope VHS Alignment Tape FL6NS8

Guide Roller Adj. Screwdriver

X-Value Adj. Screwdriver

Note: Before starting this Mechanical Alignment, do all Electrical Adjustment procedures.

Flowchart of Alignment for tape traveling



1-A. Preliminary/Final Checking and Alignment of Tape Path

Purpose:

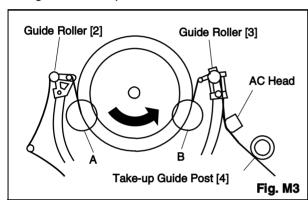
To make sure that the tape path is well stabilized.

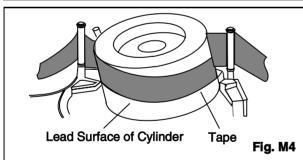
Symptom of Misalignment:

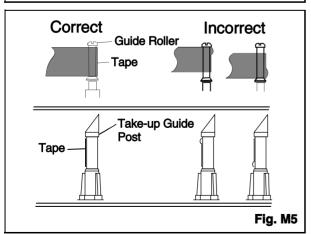
If the tape path is unstable, the tape will be damaged.

Note: Do not use an Alignment Tape for this procedure. If the unit is not correctly aligned, the tape may be damaged.

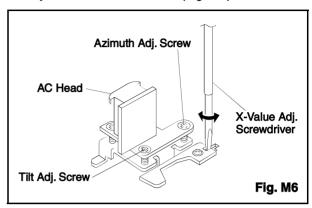
- Playback a blank cassette tape and check to see that the tape runs without creasing at Guide Rollers
 and [3], and at points A and B on the lead surface. (Refer to Fig M3 and M4.)
- If creasing is apparent, align the height of the guide rollers by turning the top of Guide Rollers [2] and [3] with a Guide Roller Adj. Screwdriver. (Refer to Fig. M3 and M5.)







- Check to see that the tape runs without creasing at Take-up Guide Post [4] or without snaking between Guide Roller [3] and AC Head. (Fig. M3 and M5)
- 4. If creasing or snaking is apparent, adjust the Tilt Adj. Screw of the AC Head. (Fig. M6)



1-B. X Value Alignment

Purpose:

To align the Horizontal Position of the Audio/Control/ Erase Head.

Symptom of Misalignment:

If the Horizontal Position of the Audio/Control/Erase Head is not properly aligned, maximum envelope cannot be obtained at the Neutral position of the Tracking Control Circuit.

- Connect the oscilloscope to TP004 (CPB) and TP001 (CTL) on the Main CBA. Use TP002 (RF-SW) as a trigger.
- Playback the Gray Scale of the Alignment Tape (FL6NS8) and confirm that the PB FM signal is present.
- 3. Set the Tracking Control Circuit to the center position by pressing CH UP button then "PLAY" button on the unit. (Refer to note on bottom of page 2-3-4.)
- 4. Use the X-Value Adj. Screwdriver so that the PB FM signal at TP004 (CPB) is maximum. (Fig. M6)
- Press CH UP button on the unit until the CTL waveform has shifted by approx. +2msec. Make sure that the envelope is simply attenuated (shrinks in height) during this process so that you will know the envelope has been at its peak.

2-3-3 T6300MA

- 6. Press CH DOWN button on the unit until the CTL waveform has shifted from its original position (not the position achieved in step 5, but the position of CTL waveform in step 4) by approximately -2msec. Make sure that the envelope is simply attenuated (shrinks in height) once CTL waveform passes its original position and is further brought in the minus direction.
- Set the Tracking Control Circuit to the center position by pressing CH UP button and then "PLAY" button.

1-C. Checking/Adjustment of Envelope Waveform

Purpose:

To achieve a satisfactory picture and precise tracking.

Symptom of Misalignment:

If the envelope output is poor, noise will appear in the picture. The tracking will then lose precision and the playback picture will be distorted by any slight variation of the Tracking Control Circuit.

- 1. Connect the oscilloscope to TP004 (CPB) on the Main CBA. Use TP002 (RF-SW) as a trigger.
- 2. Playback the Gray Scale on the Alignment Tape (FL6NS8).
 - Set the Tracking Control Circuit to the center position by pressing CH UP button and then "PLAY" button on the unit. Adjust the height of Guide Rollers [2] and [3] (Fig. M3, Page 2-3-3) watching the oscilloscope display so that the envelope becomes as flat as possible. To do this adjustment, turn the top of the Guide Roller with the Guide Roller Adj. Screwdriver.
- 3. If the envelope is as shown in Fig. M7, adjust the height of Guide Roller [2] (Refer to Fig. M3) so that the waveform looks like the one shown in Fig. M9.
- 4. If the envelope is as shown in Fig. M8, adjust the height of Guide Roller [3] (Refer to Fig. M3) so that the waveform looks like the one shown in Fig. M9.
- 5. When Guide Rollers [2] and [3] (Refer to Fig.M3) are aligned properly, there is no envelope drop either at the beginning or end of track as shown in Fig. M9.

Note: Upon completion of the adjustment of Guide Rollers [2] and [3] (Refer to Fig. M3), check the X Value by pushing the CH UP or DOWN buttons alternately, to check the symmetry of the envelope. Check the number of pushes to ensure center position. The number of pushes CH UP button to achieve 1/2 level of envelope should match the number of pushes CH DOWN button from center. If required, redo the "X Value Alignment."

1-D. Azimuth Alignment of Audio/Control/ Erase Head

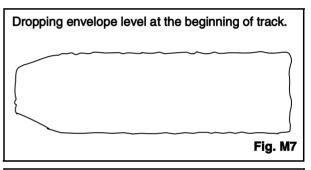
Purpose:

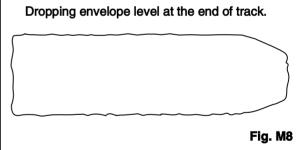
To correct the Azimuth alignment so that the Audio/ Control/Erase Head meets tape tracks properly.

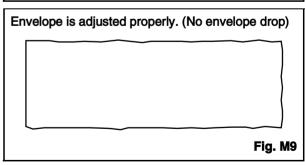
Symptom of Misalignment:

If the position of the Audio/Control/Erase Head is not properly aligned, the Audio S/N Ratio or Frequency Response will be poor.

- Connect the oscilloscope to the audio output jack on the rear side of the deck.
- Playback the alignment tape (FL6NS8) and confirm that the audio signal output level is 6kHz.
- Adjust Azimuth Adj. Screw so that the output level on the AC Voltmeter or the waveform on the oscilloscope is at maximum. (Fig. M6)







2-3-4 T6300MA

DISASSEMBLY/ASSEMBLY PROCEDURES OF DECK MECHANISM

Before following the procedures described below, be sure to remove the deck assembly from the cabinet. (Refer to CABINET DISASSEMBLY INSTRUCTIONS on page 1-5-1.)

All the following procedures, including those for adjustment and replacement of parts, should be done in Eject mode; see the positions of [45] and [46] in Fig.DM1 on page 2-4-3. When reassembling, follow the steps in reverse order.

| OTED | OT 4 DT | | | REMOVAL INSTALLATIO | | | | |
|----------------------|----------------------|--------------------------|---|---------------------|---|--|--|--|
| STEP /LOC. No. | START- ING No. | PART | | Fig. No. | REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER | ADJUSTMENT CONDITION | | |
| [1] | [1] | Guide Holder A | Т | DM3 | 2(S-1) | | | |
| [2] | [1] | Cassette Holder Assembly | Т | DM4 | | | | |
| [3] | [2] | Slider L | Т | DM5 | (S-2) | | | |
| [4] | [2] | Slider R | Т | DM5 | (S-3) | | | |
| [5] | [4] | Lock Lever | Т | DM5 | (S-4),*(P-1) | | | |
| [6] | [2] | C Plate | Т | DM5 | | | | |
| [7] | [7] | Cylinder Assembly | Т | DM1,DM6 | Desolder, 3(S-5) | | | |
| [8] | [8] | Loading Motor Assembly | Т | DM1,DM7 | Desolder, LDG Belt, 2(S-6) | | | |
| [9] | [9] | AC Head Assembly | Т | DM1,DM7 | (S-7) | | | |
| [10] | [2] | Tape Guide Assembly | Т | DM1,DM8 | *(P-2) | | | |
| [11] | [10] | Door Opener B | Т | DM1,DM8 | *(L-1),*(L-2) | | | |
| [12] | [11] | Pinch Arm (B) | Т | DM1,DM8 | *(P-3) | | | |
| [13] | [12] | Pinch Arm (A) Assembly | Т | DM1,DM8 | | | | |
| [14] | [14] | FE Head | Т | DM1,DM9 | (S-9) | | | |
| [15] | [15] | Prism | Т | DM1,DM9 | (S-10) | | | |
| [16] | [2] | Slider Shaft | Т | DM10 | (S-11),*(L-3) | | | |
| [17] | [16] | C Drive Lever L | Т | DM10 | | | | |
| [18] | [16] | C Drive Lever R | Т | DM10 | | | | |
| [19] | [7],[10] | Capstan Motor | В | DM2,DM11 | 3(S-12), Cap Belt | | | |
| [20] | [20] | Clutch Assembly(HI) | В | DM2,DM12 | (C-1) | | | |
| [21] | [20] | Center Gear | В | DM12 | | | | |
| [22] | [22] | Cam Holder F | В | DM2,DM13 | (C-2) | | | |
| [23] | [22] | Cam Gear (B) | В | DM2,DM13 | (C-3),*(P-4) | | | |
| [24] | [24] | Mode Gear | В | DM2,DM14 | (C-4) | | | |
| [25] | [20],[23], [24] | Mode Lever(HI) | В | DM2,DM14 | ` ' ' ' | | | |
| [26] | [22] | Worm Holder | В | DM2,DM14 | (S-15) | | | |
| [27] | [26] | Pulley Assembly | В | DM2,DM14 | | | | |
| [28] | [22],[25] | Cam Gear (A) | В | DM2,DM14 | | (+)Refer to Alignment Sec.Pg.2-4-10 | | |
| [29] | [20] | TR Gear C | В | DM2,DM14 | (C-6) | | | |
| [30] | [29] | TR Gear Spring | В | DM14 | | | | |
| [31] | [30] | TR Gear A/B | В | DM1,DM14 | | | | |
| [32] | [31] | FF Arm(HI) | В | DM1,DM14 | | | | |
| [33] | [21],[25] | Idler Assembly(HI) | В | DM1,DM15 | | | | |
| [34] | [25] | BT Arm | В | DM2,DM15 | *(P-5) | | | |

2-4-1 T6300DA

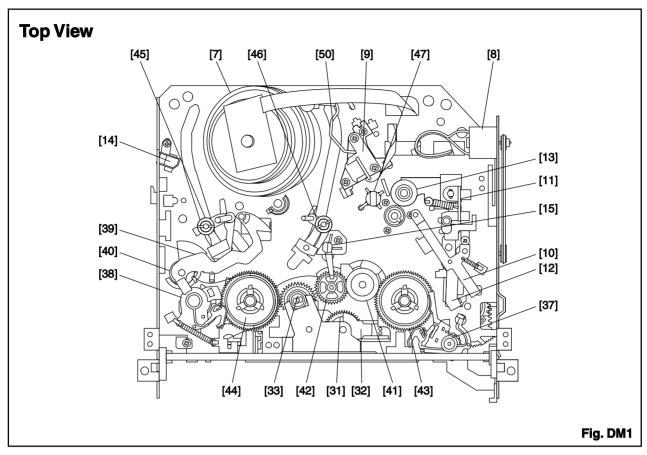
| STEP START- | | | | | REMOVAL | INSTALLATION | |
|--------------|------------|-------------------------------|-----------|---------------|---|--|--|
| /LOC. No. | ING No. | PART | | Fig. No. | REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER | ADJUSTMENT CONDITION | |
| [35] | [25] | Loading Arm S(B) Assembly | В | DM2,DM15 | | (+)Refer to Alignment Sec.Pg.2-4-9 | |
| [36] | [35] | Loading Arm T(B) Assembly | В | DM2,DM15 | | (+)Refer to Alignment Sec.Pg.2-4-9 | |
| [37] | [2],[25] | M Brake T(HI) Assembly | Т | DM1,DM16 | *(P-6) | | |
| [38] | [2],[25] | M Brake S(HI) Assembly | Т | DM1,DM16 | *(P-7) | | |
| [39] | [38] | Tension Lever Sub Assembly | Т | DM1,DM16 | | | |
| [40] | [39] | T Lever Holder | Т | DM1,DM16 | *(L-6) | | |
| [41] | [2] | M Gear(HYT) | Т | DM1,DM16 | (C-7) | | |
| [42] | [2],[15] | Sensor Gear | Т | DM1,DM16 | (C-8) | | |
| [43] | [37],[41] | Reel T | Т | DM1,DM16 | | | |
| [44] | [39] | Reel S | Т | DM1,DM16 | | | |
| [45] | [35],[38] | Moving Guide S Preparation | Т | DM1,DM17 | | | |
| [46] | [36] | Moving Guide T Preparation | Т | DM1,DM17 | | | |
| [47] | [19] | TG Post Assembly | Т | DM1,DM17 | *(L-7) | | |
| [48] | [18],[28] | Rack Assembly | R | DM18 | | (+)Refer to Alignment Sec.Pg.2-4-10 | |
| [49] | [48] | F Door Opener | R | DM18 | *(P-8) | | |
| [EO] | [50] | Clooper Lover Assembly | _ | DM1 DM6 | | Type A | |
| [50] | [50] | Cleaner Lever Assembly | T DM1,DM6 | סואוט, ו ואוט | *(L-8) | Type B | |
| [51] | [50] | CL Post | Т | DM6 | *(L-9) | Type A | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | |

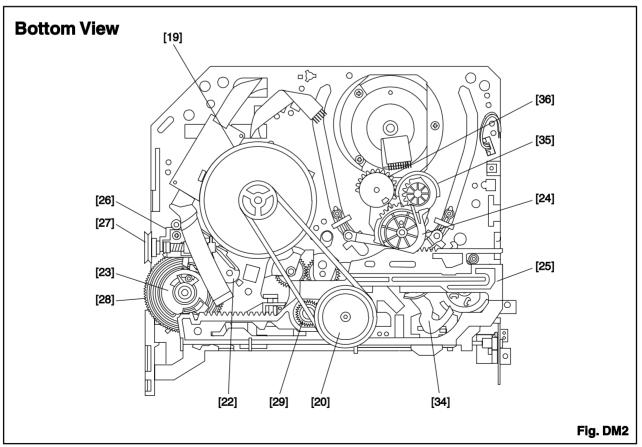
(1): Follow steps in sequence. When reassembling, follow the steps in reverse order.

These numbers are also used as identification (location) No. of parts in the figures.

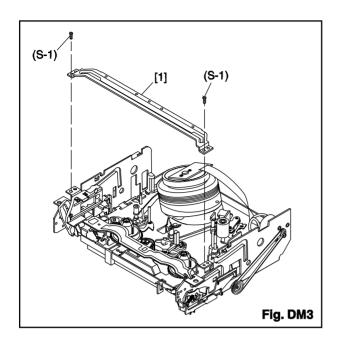
- (2): Indicates the part to start disassembling with in order to disassemble the part in column (1).
- (3): Name of the part
- (4): Location of the part: T=Top B=Bottom R=Right L=Left
- (5): Figure Number
- (6): Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered. P=Spring, W=Washer, C=Cut Washer, S=Screw, *=Unhook, Unlock, Release, Unplug, or Desolder e.g., 2(L-2) = two Locking Tabs (L-2).
- (7): Adjustment Information for Installation
 - (+):Refer to Deck Exploded Views for lubrication.

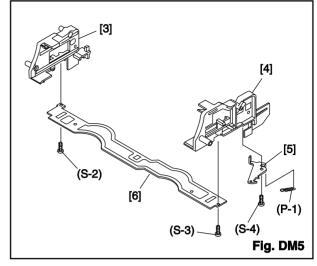
2-4-2 T6300DA

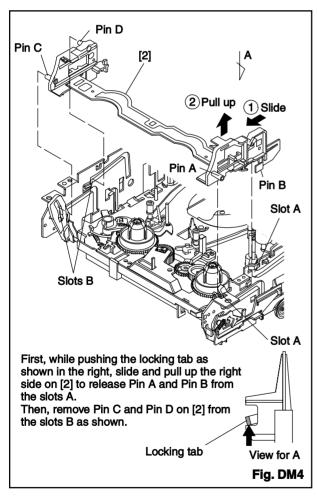


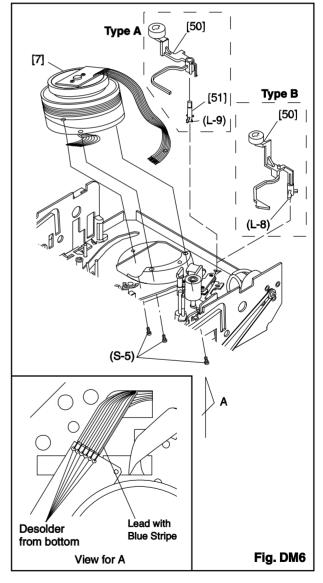


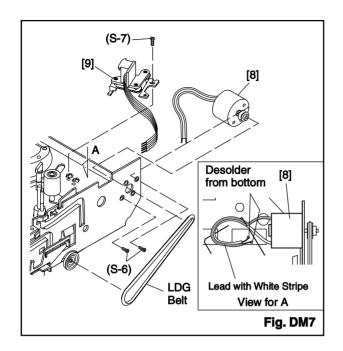
2-4-3 T6300DA

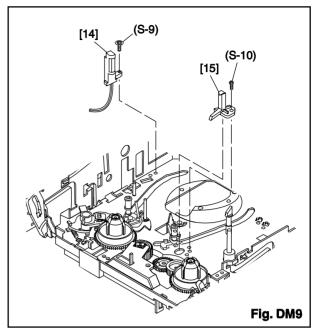


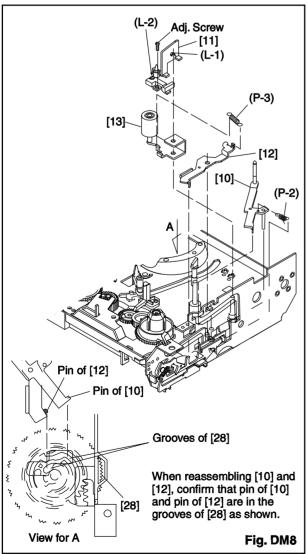


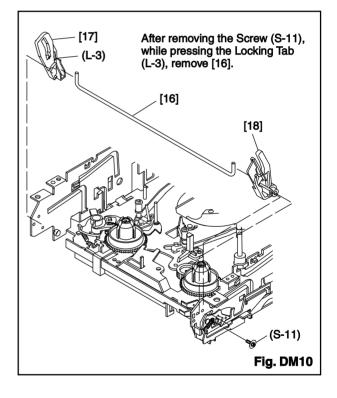




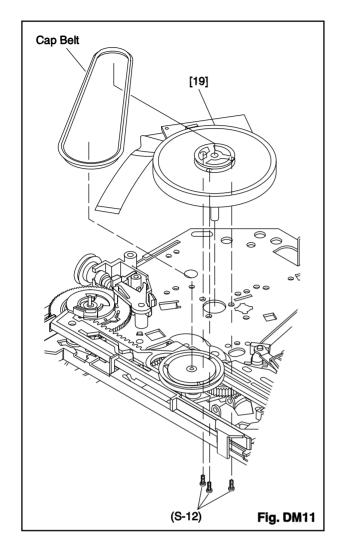


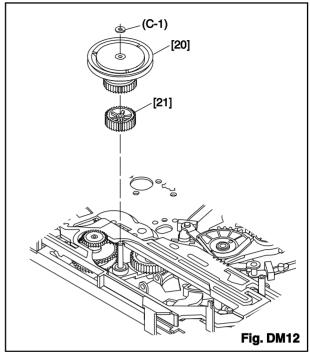




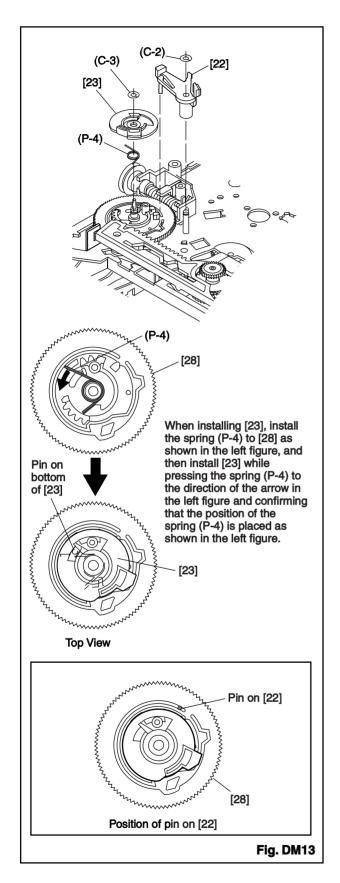


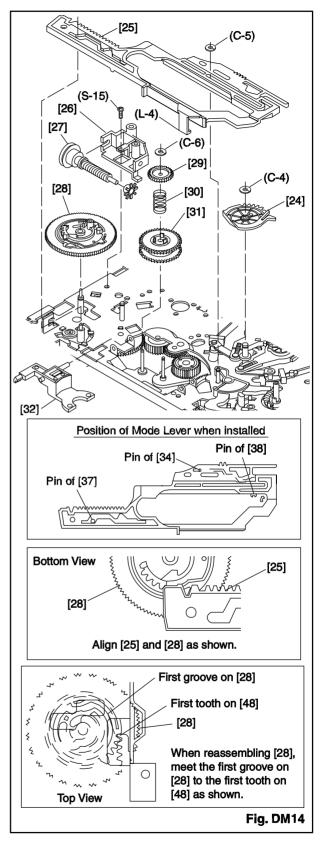
2-4-5 T6300DA



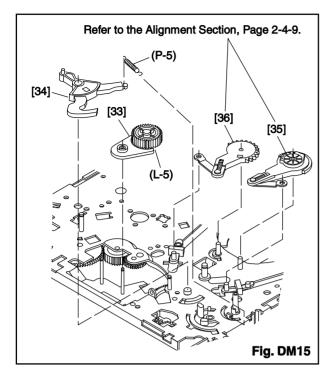


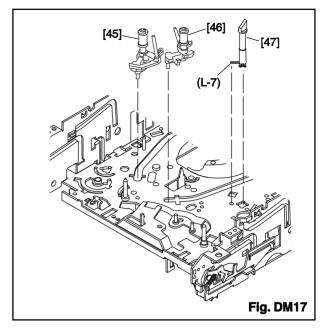
2-4-6 T6300DA

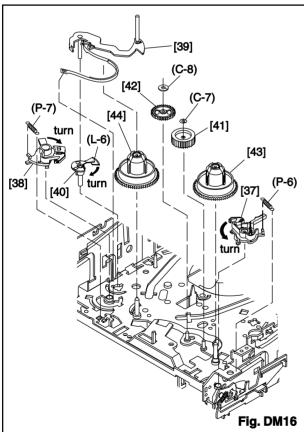


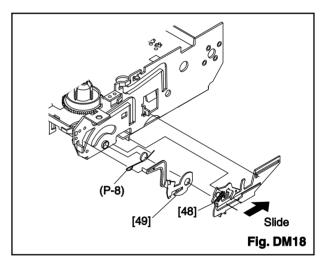


2-4-7 T6300DA









2-4-8 T6300DA

ALIGNMENT PROCEDURES OF MECHANISM

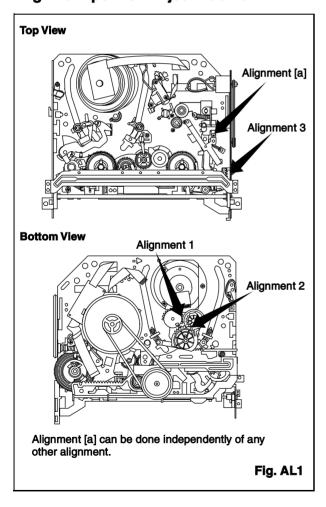
The following procedures describe how to align the individual gears and levers that make up the tape loading/unloading mechanism. Since information about the state of the mechanism is provided to the System Control Circuit only through the Mode Switch, it is essential that the correct relationship between individual gears and levers be maintained.

All alignments are to be performed with the mechanism in Eject mode, in the sequence given. Each procedure assumes that all previous procedures have been completed.

IMPORTANT:

If any one of these alignments is not performed properly, even if off by only one tooth, the unit will unload or stop and it may result in damage to the mechanical or electrical parts.

Alignment points in Eject Position



Alignment 1

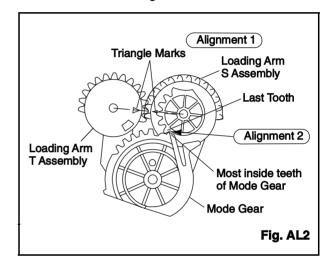
Loading Arm, S and T Assembly

Install Loading Arm S and T Assembly so that their triangle marks point to each other as shown in Fig. AL2.

Alignment 2

Mode Gear

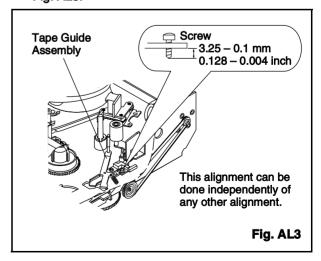
Keeping the two triangles pointing at each other, install the Loading Arm T Assembly so that the last tooth of the gear meets the most inside teeth of the Mode Gear. See Fig. AL2.



Alignment [a]

Tape Guide Assembly

Measurement of the screw must be as specified in Fig. AL3.

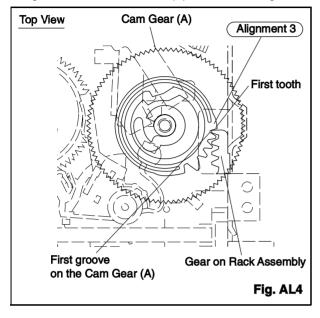


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Alignment 3

Cam Gear (A), Rack Assembly

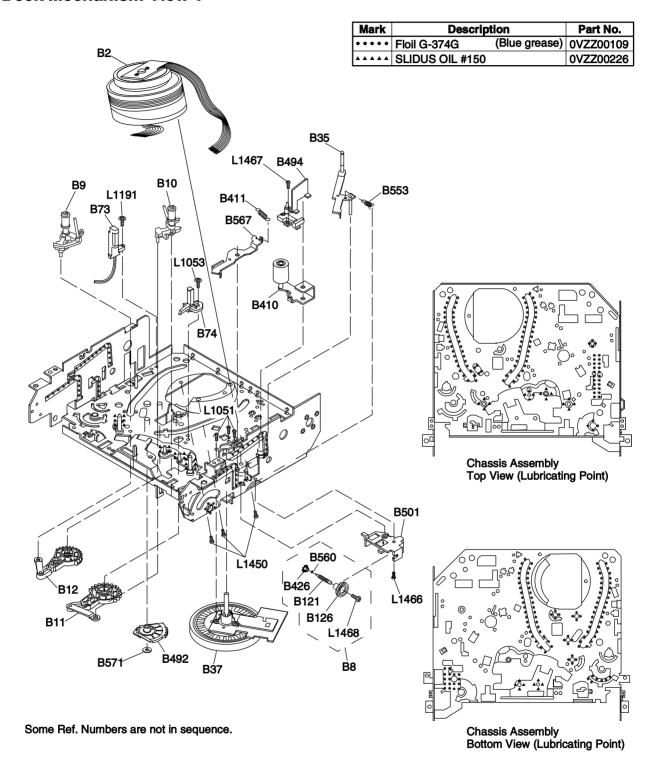
Install the Rack Assembly so that the first tooth on the gear of the Rack Assembly meets the first groove on the Cam Gear (A) as shown in Fig. AL4.



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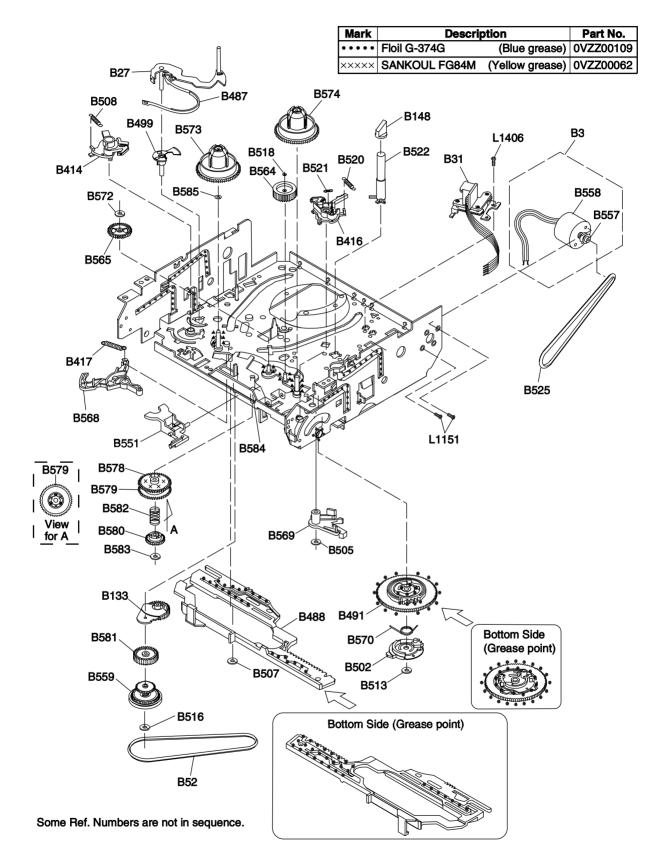
DECK EXPLODED VIEWS

Deck Mechanism View 1



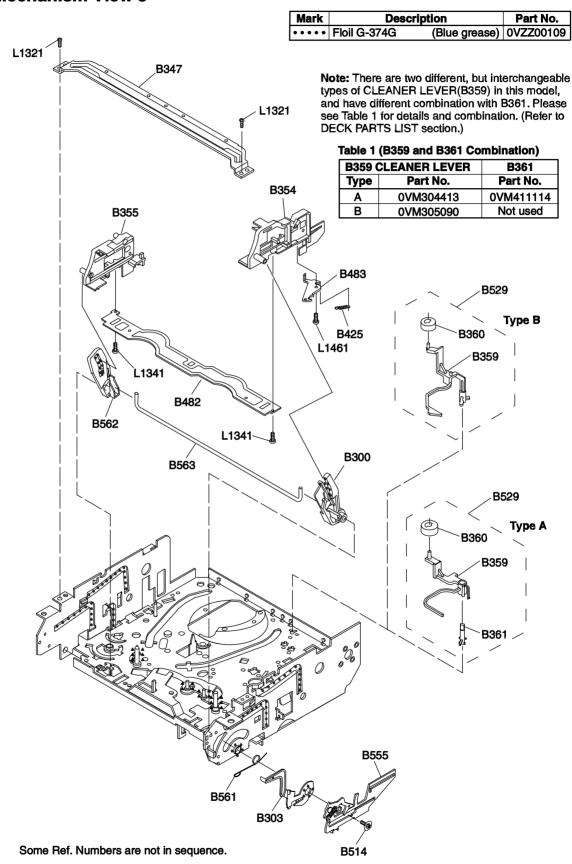
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Deck Mechanism View 2



2-5-2 T6300DEX

Deck Mechanism View 3



2-5-3 T6300DEX

| | DECK PARTS LIST | | | | | | |
|------------|-----------------|----------------|------------------------------------|--|--|--|--|
| Pos. | A | 12 NC | Description | | | | |
| | | | CYLINDER ASS. | | | | |
| B2 | | 9965 000 12895 | MK11 PAL 2HD 2SP | | | | |
| В3 | | 9965 000 12202 | LOADING MOTOR ASS. MK11 | | | | |
| B8 | | 9965 000 12203 | PULLEY ASS. MK11 | | | | |
| B9 | | | MOVING GUIDE S PREP: MK10 | | | | |
| B10 | | | MOVING GUIDE T PREP: MK10 | | | | |
| B11 | | | LOADING ARM T(B) ASS. MK11 | | | | |
| B12 | | | LOADING ARM S(B) ASS. MK11 | | | | |
| B27 | | | TENSION LEVER SUB ASS. MK11 | | | | |
| B31 | | | AC HEAD ASS. MK11(TVCR) | | | | |
| B35 B37 | | | TAPE GUIDE ASS. MK11 CAPSTAN MOTOR | | | | |
| B52 | | | CAP BELT MK10 | | | | |
| B73 | | | FE HEAD ASS. MK11 | | | | |
| B74 | | 9965 000 08555 | | | | | |
| B121 | | 9965 000 12211 | | | | | |
| B126 | | 9965 000 12212 | | | | | |
| B133 | | | IDLER ASS.(2) MK10 | | | | |
| B148 | | 4822 462 11189 | ` , | | | | |
| B300 | | | C DRIVE LEVER R MK11 | | | | |
| B303 | | | F DOOR OPENER MK11 | | | | |
| B347 | | | GUIDE HOLDER A MK10 | | | | |
| B354 | | | SLIDER R MK11 | | | | |
| B355 | | 9965 000 12217 | | | | | |
| B359 | | | CLEANER LEVER MK11 | | | | |
| B360 | | | CLEANER ROLLER MK9 | | | | |
| B410 | | | PINCH ARM(A) ASS. MK11 | | | | |
| B411 | | | PINCH SPRING MK10 | | | | |
| B414 | | | M BRAKE S(HI) ASS. MK11 | | | | |
| B416 | | | M BRAKE T(HI) ASS. MK11 | | | | |
| B417 | | | TENSION SPG(190265) MK11 | | | | |
| B425 | | | LOCK LEVER SPRING MK10 | | | | |
| B426 | | | KICK PULLEY MK10 | | | | |
| B482 | | 9965 000 12222 | | | | | |
| B483 | | | LOCK LEVER MK10 | | | | |
| B487 | | | BAND BRAKE MK10 | | | | |
| B488 | | | MODE LEVER(HI) MK11 | | | | |
| B491 | | 9965 000 12224 | CAM GEAR(A) MK11 | | | | |
| B492 | | 9965 000 12225 | MODE GEAR MK11 | | | | |
| B494 | | 9965 000 12226 | DOOR OPENER B MK11 | | | | |
| B499 | | 9965 000 08467 | T LEVER HOLDER MK10 | | | | |
| B501 | | 9965 000 12227 | WORM HOLDER MK11 | | | | |
| B502 | | 9965 000 08469 | CAM GEAR(B) MK10 | | | | |
| B505 | | 9965 000 12372 | PSCW(625504) MK11 | | | | |
| B507 | | 9965 000 05342 | REEL WASHER MK9 5*2.1*0.5 | | | | |
| B508 | | 9965 000 08470 | S BRAKE SPRING MK10 | | | | |
| B513 | | 9965 000 08471 | PSCW(752605) MK10 | | | | |
| B514 | | 9965 000 12228 | SCREW RACK MK11 | | | | |

| DECK PARTS LIST | | | | | | |
|-----------------|---|----------------|---|--|--|--|
| Pos. | A | 12 NC | Description | | | |
| B516 | | 9965 000 05342 | REEL WASHER MK9 5*2.1*0.5 | | | |
| B518 | | 4822 532 13159 | P.S.W CUT 1.6X4.0X0.5T | | | |
| B520 | | 9965 000 12229 | T BRAKE SPRING HI(F) MK11 | | | |
| B521 | | | SOFT SPRING MK10 | | | |
| B522 | | | TG POST ASS. MK10 | | | |
| B525 | | | LDG BELT MK11 | | | |
| B529 | | | CLEANER ASS. MK11 | | | |
| B551 | | | FF ARM(HI) MK10 | | | |
| B553 | | | REV SPRING MK11 | | | |
| B555 | | | RACK ASS. MK11 | | | |
| B557 | | | MOTOR PULLEY U5 | | | |
| B558 | | | LOADING MOTOR | | | |
| B559 B560 | | | CLUTCH ASS.(HI)(2) MK11 KICK SPRING MK10 | | | |
| B561 | | | F DOOR SPRING MK10 | | | |
| B562 | | | C DRIVE LEVER L MK10 | | | |
| B563 | | | SLIDER SHAFT MK10 | | | |
| B564 | | | M GEAR(HYT) N12G5F* | | | |
| B565 | | 9965 000 12238 | | | | |
| B567 | | | PINCH ARM(B) MK10 | | | |
| B568 | | 9965 000 08545 | . , | | | |
| B569 | | | CAM HOLDER F MK11 | | | |
| B570 | | | CAM RACK SPRING(HI) MK11 | | | |
| B571 | | | P.S.W F 6*2.55*0.5 | | | |
| B572 | | | P.S.W CUT 1.6X4.0X0.5T | | | |
| B573 | | 9965 000 12241 | | | | |
| B574 | | 9965 000 12376 | | | | |
| B578 | | 9965 000 12243 | TR GEAR A MK10 | | | |
| B579 | | 9965 000 12244 | TR GEAR B MK10 | | | |
| B580 | | 9965 000 12245 | TR GEAR C MK11 | | | |
| B581 | | 9965 000 12246 | CENTER GEAR(HYT) N12G5F* | | | |
| B582 | | 9965 000 12247 | TR GEAR SPRING MK10 | | | |
| B583 | | 9965 000 05342 | REEL WASHER MK9 5*2.1*0.5 | | | |
| B584 | | 9965 000 12248 | TR GEAR SHAFT MK10 | | | |
| B585 | | 9965 000 12249 | PSW(2957505) MK11 | | | |
| L1051 | | 9965 000 05359 | SCREW, B-TIGHT M2.6X6 PAN HEAD+ | | | |
| L1053 | | 9965 000 05375 | SCREW, S-TIGHT M2.6X8 WASHER HEAD+ | | | |
| | | | SCREW, SEMS | | | |
| L1151 | | 9965 000 08642 | M2.6X4 PAN HEAD+ | | | |
| | | 0005 000 000 | SCREW, S-TIGHT | | | |
| L1191 | | 9965 000 05375 | M2.6X8 WASHER HEAD+ | | | |
| 1 1204 | | 4922 E00 44000 | SCREW, S-TIGHT | | | |
| L1321 | | 4822 502 14009 | M3X6 BIND HEAD+ | | | |
| L1341 | | 4822 502 14669 | SCREW, P-TIGHT | | | |
| L 1341 | | 4022 DUZ 14009 | M2.6X6 BIND HEAD+ | | | |
| L1406 | | 9965 000 08643 | AC HEAD SCREW MK9 | | | |
| L1407 | | 9965 000 12250 | SCREW, S-TIGHT | | | |
| 707 | | 2300 000 12200 | M2.6X10 DISH HEAD+ | | | |
| L1450 | | 4822 502 14671 | SCREW, SEMS M2.6X5 PAN HEAD+ | | | |
| L1461 | | 4822 502 30471 | SCREW, P-TIGHT M2.6X6 WASHER HEAD+ | | | |
| L1466 | | 9965 000 05364 | SCREW, S-TIGHT M2.6X6 BIND HEAD+ | | | |
| L1467 | | 9965 000 12251 | SCREW, S-TIGHT M2.6X5 WASHER HEAD+ | | | |
| | | | SCREW, B-TIGHT | | | |
| L1468 | | 9965 000 12252 | M1.7X12 | | | |
| | _ | | | | | |